

**AMENDMENTS TO ORDINANCES
AND
APPENDICES TO THE ORDINANCES**

(Amendments approved by the Executive Council in its meetings
dated 31.08.2021, 29.10.2021, 17.12.2021 and 11.02.2022)



UNIVERSITY OF DELHI

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1. **Amendment to the Ordinance XX (9) vide EC Res. No. 8-6 dated 31.08.2021 regarding change of Nomenclature of Developing Countries Research Centre (DCRC) into Centre for Global Studies (CGS)**

The nomenclature of:

“Developing Countries Research Centre (DCRC)” be read as “Centre for Global Studies (CGS)”.

2. **Amendment to Ordinance XX vide EC Res. No.8-8 dated 31.08.2021 regarding inclusion of additional Ordinance after Ordinance XX (U) as “Ordinance XX (V) – Centre for Himalayan Studies”.**

Add:

Ordinance XX (V) - Centre for Himalayan Studies

There shall be a Centre for Himalayan Studies, in the University of Delhi with the following objectives:

1. A multi-disciplinary research centre devoted to study the Himalayan history, geography, society, economy, polity, culture, traditional knowledge, bio resources, environment, sustainable development and related fields.
2. To carry out primary research on the above areas and collect data from all available resources both primary and secondary.
3. Development of transdisciplinary and an integrated Himalayan Data Centre. To have a database on people or organizations working on various aspects of the Himalaya and associate them with the centre. Establishing a Network of Scientists, Social Scientists, individuals, organizations etc., working on Himalaya by coordinating with several regional, national, and international organizations.
4. To strongly advocate conservation of the Himalayan resources and sustainable utilization for the benefit of people and create awareness using new media and visual aids. Develop community usable warning tools that will facilitate participation at the local level towards Himalayan emergency events. Recommendation to the Government and Communities identifying major challenges facing diverse local actors together with future challenges.
5. It will organize workshops, seminars, conferences, symposia, training etc, at both national and international level.
6. The centre will contribute towards Science-Policy and Social Science-Communities interfaces to the Government of India in the context of global agreements i.e. Sendai Framework of Disaster Risk Reduction, Sustainable Development Goals, Paris Climate Action and Biodiversity Conservation.
7. To secure funding from all national and international organizations in the areas of Himalayan studies.
8. Providing a platform for communication and education by offering certificate and diploma courses initially and PhD degree eventually.

2. Governing Structure

The governance of the Centre for Himalayan Studies shall be carried out through the following bodies under the overall control and supervision of the Executive Council of the University. There shall be the following structure:

2.1. Governing Body

2.2. Advisory Council

2.1.1. Constitution of the Governing Body

Subject to the general control and supervision of the Executive Council, and in accordance with the Statutes and Ordinances of the University, the Centre for the Himalayan Studies shall have a Governing Body. The composition of the Governing Body shall be as follows

1. Chairperson (Vice-Chancellor or his nominee)
2. Pro-Vice-Chancellor (Ex-Officio)
3. Dean of Colleges (Ex-Officio)
4. Treasurer(Ex-Officio)
5. Dean Research Council/Dean Faculty of Science
6. Registrar(Ex-Officio)
7. Finance Officer (Ex Officio)
8. Three expert members to be nominated by the Vice-Chancellor
9. Director, Centre for Himalayan Studies Member Secretary (Ex Officio)

2.1.2. The Term

Except for the ex-officio members, all other members of the Governing Body shall have a term of one year. The Governing Body shall meet at least once in the financial/academic year. The quorum in the meetings of the Governing body shall be one third of the total membership.

2.1.3. Functions of the Governing Body

The Governing Body shall exercise the following powers and functions, subject to the general control and supervision of the Executive Council, and in accordance with the Statutes and Ordinances of the University.

1. To chart out the programme and activities of the Centre for Himalayan Studies and enhance and/or review activities of the Centre.
2. Identify and appoint faculty on deputation from various Colleges/departments from within the University and outside the University, appoint faculty on contract basis, visiting fellow, visiting faculty and/or guest faculty as per the requirements of the Centre.
3. Prepare the Budget of financial requirements of the Centre and monitor the progress made by it.
4. Consider and approve the Annual Accounts along with the Audit Report.
5. Approve proposals for generation of funds for the programmes undertaken by the Centre.

6. Make such rules as it may consider necessary for the regulation and smooth functioning of the Centre from time to time.
7. To appoint, suspend or terminate the services of administrative, academic and non-academic staff of the Centre and to determine the emoluments and conditions of service: provided, however, that the qualifications for appointment, emoluments, and conditions of the service of such persons shall be in accordance with those laid down for similar posts in the University;
8. To appoint or terminate the services of the non-academic staff on contract basis on the recommendation of the Director in order to improve the efficiency of the Centre
9. To determine the infrastructure requirements, including building, make arrangements for procurement and consider the recommendations of the Advisory Council.

2.2.1. Constitution of the Advisory Council

The advisory body will be nominated by the Vice-Chancellor for a period of 3 years. It shall comprise:

- (i) Chairperson to be appointed by the Vice-Chancellor
- (ii) Director, Centre for Himalaya studies (ex-officio)– member secretary
- (iii) There will be maximum of 7 members expert in Himalayan studies to be nominated by the Vice-Chancellor on the recommendation of the Director.

The function of the Advisory Body will be to give suggestions for meaningful accomplishment of the objectives of the Centre and to engage with the progress of the ongoing programmes from time to time.

2.2.2. The Term

Except for ex-officio members, all other members of the Advisory Council shall have a term of three years. The Advisory Council shall meet at least twice in one academic year. The quorum in such meetings shall be one third of the total membership.

2.2.3. Functions of the Advisory Council

The function of the Advisory Body will be to give suggestions for meaningful accomplishment of the objectives of the Centre and to engage with the progress of the ongoing programmes from time to time.

3. Office Bearers

3.1. The Director

- (i) There shall be a Director with high academic credentials who should be a Professor. The Director should have sufficient knowledge in the field of Himalayan studies which can be reflected from his publications and outreach activities. The term of appointment of Director shall be for 5 (Five) years. The Director shall be eligible for appointment for another term.

- (ii) The Vice Chancellor will appoint the Director and report the same to the Executive Council.
- (iii) The Director shall function under the overall control of the Governing Body. He/She will be responsible for the management and administration of the Centre in accordance with the Act, the Statutes, the Ordinances, the rules and regulations of the University.
- (iv) The Director shall act as:
 - Member Secretary of the Governing Body;
 - Member Secretary of the Advisory Council
- (v) The Director shall be authorized to maintain and operate an Imprest Account for meeting day to day expenditure of the School.
- (vi) In the absence of the Director, the Assistant Director shall perform all such functions and responsibilities which are vested with the Director under the Ordinance.

3.2. Assistant Director

- (i) There shall be an Assistant Director with distinguished credentials in the field of Himalayan studies and related fields appointed by the Vice Chancellor on the recommendation of the Director.
- (ii) He/She shall hold the position of Assistant Director in addition to her/his regular duties at his/her parent Department/Institution/College.
- (iii) Minimum designation of Assistant Director shall be Associate Professor. However a Professor can also be appointed as Assistant Director.
- (iv) The term of the Assistant Director shall be up to three years which may be renewed.

4. Faculty members: Visiting Professors/Adjunct Professors/Fellows /Distinguished Professors/Professor of Emeritus/Associated Faculty /Junior/Senior/Post-doctoral Fellows etc.

The Centre shall have Faculty members appointed as per the relevant rules of the University. The Centre shall also have Visiting Faculty/Fellows/Post-doctoral Fellows, and Research Associates.

- (i) Core Faculty members can be appointed on direct recruitment basis whenever the regular posts are sanctioned/available by the university or University Grants Commission. The Advisory Committee recommended that 3 posts of Professors, 3 posts of Associate Professors and 4 posts of Assistant Professors as well as one section officer and 3 office staff can be appointed in the Centre subject to approval/sanction of the posts by UGC or Delhi University.
- (ii) **Visiting and Adjunct Professors/ Fellows/Faculty:**
 - a) Scholars who have made notable contributions in the field of Himalayan studies and the allied fields or those who have the research and teaching experience in the same may be appointed as Adjunct Professors/ Visiting Fellows/Faculty by the Director with the approval of the University.

- b) They may be appointed for a period up to one year. In exceptional circumstances, the duration may be extended to a maximum period of five years on yearly renewal basis.

(iii) Distinguished Professors and Professor of Emeritus:

Eminent experts in the field of Himalayan studies and allied field can be appointed as Distinguished Professors and Professor of Emeritus by the Director with the approval of the university.

(iv) Associated Faculties:

Faculty members working in University Departments/Colleges/Centres can be appointed as Associate Faculty to carry out research and teaching in the Centre for a specific project for a specific period by the Director with the approval of the university.

(v) Junior/Senior/Post-doctoral Fellows etc.

Junior Research Fellows (JRF), Senior Research Fellows (SRF) Research Associates/Scientists/Fellows of UGC/CSIR/DBT/DST / DRDO and post-Doctoral Fellows from any funding agencies having their own Fellowships can join the Centre till the tenure of their Fellowships.

5. Finances

- (i) The university will provide Annual expenses to the Centre as per requirements.
- (ii) The Centre can also raise resources through projects/Donations/Philanthropy/Crowd Funding etc.
- (iii) All expenditures of the Centre such as on the conduct of research/teaching/outreach, seminars, research projects, publications, administration and other support activities shall be made as per the rules of the university.
- (iv) All financial operations shall be conducted according to the rules and regulations of the University of Delhi.

3. Amendment to Ordinance V (2) & VII. [E.C Res. 8-1-2(a) dated 31.08.2021] related to the Introduction of papers based on LOCF for general elective course in UG level under department of Adult Continuing Education & Extension

COURSE 1: LIFELONG LEARNING FOR SOCIAL TRANSFORMATION

Unit-Wise Course Description: Lifelong Learning for Social Transformation

Unit	Title of the Unit	Details	Teaching/ Learning Mode	Weightage
I	Lifelong Learning: An Introduction	Understanding The relevance of	Lecture, Discussion	10%

		Lifelong Learning in India and across the Globe		
II	Key Concepts, Approaches and Analytical Frameworks	II.1 Key Concepts: Lifelong Learning as an Interdisciplinary Concept, Lifelong Learning as an Integrated Policy, Linkages Between Adult Education, Adult Learning and Lifelong Learning, Recurrent Education, Permanent Education, Employability, Social Change, Social Transformation, Community Engagement And Extension, Inclusion, Sustainable Education, Blended Learning, Education as a public good, commodity and right, social partners, Stakeholders, Interest Groups, Corporate Social Responsibility, Community Engagement, Extension, Recognition of Prior Learning.	Lecture, Discussion/ Living Interaction (Dialogue), Participant Presentations	30%
		II.2 Approaches: Sector-specific and Systems Approach in Education Top-down And Bottom-up Approach, Problem-based Approach Towards Learning, Teacher-centric and Learner-centric Models for Education. II.3 Analytical Frameworks: Formal, Non-formal and Informal Learning, Ehlers' Box Model, Stakeholder's Analysis, SWOT/SWOC Analysis		
III	Lifelong Learning: The Education Policy For Social Transformation	III.1 Education as a Public Good, a Right and a Commodity III.2 An Introduction to the Policy of Lifelong Learning III.3 Relationship between Lifelong Learning and Social Change III.4 Recognition of Prior Learning	Lecture, Discussion	10%

IV	Practical Aspects of Designing A Lifelong Learning intervention	Project Planning, Management and Evaluation: Need Analysis, Resource Assessment, Project design, responsibility and accountability, ethics, legal and policy framework.	Lecture, Participant Presentations, Discussion	10%
V	Identifying the Needs, Resources and Possibilities for Social Transformation through Lifelong Learning	Project Work: Lifelong Learning for Social Transformation as per the Project Guide for Lifelong Learning – I: Social Transformation through Lifelong Learning	Project field work, Supervision and Maintenance of Journal	10%
VI	Planning A Lifelong Learning Intervention for Social Transformation			10%
VII	Executing the Lifelong Learning Intervention for Social Transformation			10%
VIII	Impact Assessment: Social Transformation through Lifelong Learning			10%

Assessment methods:

	Mode	Weightage
1	Open-book test	30 percent
2	Assessment of the Journal maintained during the Project Work	40 percent
3	Written Assignment about the Paper as per the topic selected by the learner	30 percent

COURSE 2: LIFELONG LEARNING FOR SUSTAINABLE DEVELOPMENT

Unit-wise Course Description: Lifelong Learning for Sustainable Development

Unit	Title of the Unit	Details	Teaching/ Learning Mode	Weightage
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I	The Fundamentals of Lifelong Learning	I.1 Key Concepts I.2 A Typology for Lifelong Learning Systems and Policies around the globe I.3. Legal-political framework for Lifelong Learning in India	Lectures, Discussions	20%
II	Education for Sustainable Development: Key Concepts and Transnational Policy Frameworks	II.1 Key Concepts: Sustainability, Sustainable Economic Growth, Sustainable Development, Inclusion, Social Change. II.2 Understanding the Transnational Policy Frameworks for Lifelong Learning	Lectures, Discussions	15%
III	Lifelong Learning Policies of Key International Organizations	1. OECD's Lifelong Learning Policy 2. World Bank's Lifelong Learning Policy 3. UNESCO's Lifelong Learning Policy 4. ILO' Lifelong Learning Policy	Lecture, Discussion, Participant Presentation s, Virtual/field Tours, interaction with social partners	15%
IV	Project Planning, Management and Evaluation	Project: Sustainable Development through Lifelong Learning in India as per the Project Guide for Lifelong Learning II: Sustainable Development through Lifelong Learning in India	Project field work, supervision and Maintenance of Journal	10%
V	Need Analysis			10%
VI	Resource Assessment and Management			10%
VII	Project Execution			10%
VIII	Project Evaluation And Impact Assessment			10%

Assessment methods:

	Mode	Weightage
1	Open-book test	30 percent

2	Assessment of the Journal maintained during the Project Work	40 percent
3	Written Assignment about the Paper as per the topic selected by the learner	30 percent

COURSE 3: LIFELONG LEARNING, EMPLOYABILITY AND SOCIAL ENTREPRENEURSHIP

Unit-wise Course Description: Lifelong Learning, Employability and Social Entrepreneurship

Unit	Title of the Unit	Details	Teaching/ Learning Mode	Weightage
I	Methodological Considerations: Key Concepts, Approaches, Policy Frameworks for Lifelong Learning	I.1 Key concepts: Skills, Competencies, Employability, Vocational Education and Training, Productivity, Learning Outcomes, Sustainable Economic Growth, Social Entrepreneurship, Business Ecosystem I.2 Approaches I.3 Policy Frameworks	Lecture, Discussion	10%
II	Ensuring Employability Through Lifelong Learning	II.1 From Employment to Employability: Understanding the shift in approach towards Labour-market engagement. II.2 Enhancing Employability through Lifelong Learning III. 3 Employability as a Global Norm for Sustainable Education and Development	Lecture, Discussion, Participant Presentations , Virtual/field Tours, interaction with social partners	10%
III	Lifelong Learning: The Core for Social Entrepreneurship	III.1 Identifying a Social Problem III.2 Developing a Business Plan III.3. Resource Mobilization and Management III.4 Business Management III.5 Quality Control III.6 Ethics for Social Entrepreneurship III.7 Marketing III.8 Impact Assessment	Lecture, Discussion, Participant Presentations , Virtual/field Tours, interaction with social partners	20%
IV	Planning and Managing Internship with a Social	Project: Employability and Social Entrepreneurship as per the Internship Guide for Enhancing	Internship, Supervision, Journal Maintenance	10%

	Entrepreneurs hip Initiative	Employability through Lifelong Learning/ Lifelong Learner's Social Entrepreneurship Guide.		
V	Internship			40%
VI				
VII				
VIII	Impact Assessment			10%

Assessment methods:

	Mode	Weightage
1	Open-book test	30 percent
2	Assessment of the Journal maintained during the Project Work	40 percent
3	Written Assignment about the Paper as per the topic selected by the learner	30 percent

4. Amendment to Ordinance V (2) & VII. [E.C Res. 8-1-2(b) dated 31.08.2021] related to Introduction of M.A. Japanese under the Department of East Asian Studies

M.A. JAPANESE

Course Credit Scheme

Semester	Core Course			Elective Course			Open Elective Course			Total credits
	No. of Papers	Credits (L+T)*	Total Credits	No. of Papers	Credits (L+T)*	Total Credits	No. of Papers	Credits (L+T)*	Total Credits	
I	4	4+1=5	20	-	-	-				20
II	3	4+1=5	15	-	-	-	1	4	04	24
III	3	4+1=5	15	-	-	-				20
IV	4	4+1=5	20	-	-	-	1	4	04	24
Total credits for Core courses			70	Total credits for Elective courses			Total credits for Open Elective courses			08
										78

* Lecture + Tutorial

List of Papers

Semester-I (20 credits) [4 (core courses) x 5 (credit) = 20 credits]

Paper I (C)	JL-101	Introduction to General Linguistics
Paper II (C)	JL-102	Advanced Japanese Language
Paper III (C)	JL-103	Theory and Practice of Translation
Paper IV (C)	JL-104	Cultural History of Japan

Semester-II (19 credits) [3 (core courses) x 5 credit = 15 credits;
1 (open elective course) x 4 credit = 4 credits]

Paper V (C)	JL-201	Contemporary Japan
Paper VI (C)	JL-202	Guided Speaking and Interpretation-I
Paper VII (C)	JL-203	Survey of Japanese Literature
PaperVIII (OE/EL)	JL-204	Popular and Folk Cultures of Japan

Semester-III (19 credits) [3 (core courses) x 5 credit = 15 credits;
1 (open elective course) x 4 credit = 4 credits]

Paper XI (OE/EL)	JL-301	India-Japan Cultural Relations
Paper XII (C)	JL-302	Literary Criticism
Paper XIII (C)	JL-303	Introduction to Classical Japanese language
Paper XIV (C)	JL-304	Study of Representative Works: monogatari, nikki, zuihitsu

Semester-IV (20credits) [4 (core courses) x 5 credit = 20 credits]

Paper XII (C)	JL-401	Study of Representative Works:shi, geki, shousetsu
Paper XIV (C)	JL-402	Guided Speaking and Interpretation-II
Paper XV (C)	JL-403	Methodology of Foreign Language Teaching with Special Reference to Teaching of Japanese
Paper XVI (C)	JL-404	Dissertation

Core Course-(C) / OE- Open Elective Course

5. Amendment to Ordinance V (2) & VII. [E.C Res. 8-1-2(d) dated 31.08.2021] related to Introduction of One Year PG Diploma in International Trade (Africa) under the Department of African Studies

One Year PG Diploma in International Trade (Africa)

One Year Course (Two Semesters)

Papers

Semester-I	Semester-II
Core- 4 Papers	1. Optional- 2 Papers out of three. 2. Internship (Compulsory) 3. Project/Workshop (Compulsory)

Course Details:

Semester I

1. Introduction to International Trade
2. Trade Negotiations and IFIs
3. Understanding Africa
4. Business Law and Public Finance in Africa

Semester II (Four Papers Only)

1. Regional Trade Architecture in Africa
2. Entrepreneurship and Business Opportunities in Africa
3. Climate Change and African Trade
4. Internship (Compulsory)
5. Project/ Workshop (Compulsory)

6. Amendment to Ordinance V (2) & VII. [E.C Res. 8-1-3 dated 31.08.2021]

M.Sc. Biochemistry

Existing				Amended			
Part I: Semester I				Part I: Semester I			
Paper Code	Paper title	Type of Course	Credit	Paper Code	Paper title	Type of Course	Credit
BCCC101	Proteins – Structure, Folding and Engineering	Core	4	BCCC101	Proteins – Structure, Folding and Engineering	Core	4
BCEC101	Infectious Diseases: Molecular basis, Control and Prevention OR Intermediary Metabolism and Clinical Correlation	Elective	4	BCEC101	Infectious Diseases: Molecular basis, Control and Prevention OR Intermediary Metabolism and Clinical Correlation	Elective	4
BCEC102				BCEC102			
BCEC103	Life Style Disorders: Cancer and Cardiovascular Diseases OR Advanced Techniques in Biochemistry	Elective	4	BCEC103	Life Style Disorders: Cancer and Cardiovascular Diseases OR Advanced Techniques in Biochemistry	Elective	4
BCEC104				BCEC104			
BCCC102	Seminar on current topics	Core	4	BCCC102	Seminar on current topics	Core	4
BCCC103	Practicals	Core	8	BCCC103	Practicals	Core	8
Total Credits			24	Total Credits			24
Part I : Semester II				Part I : Semester II			
Paper Code	Paper title	Type of Course	Credit	Paper Code	Paper title	Type of Course	Credit
BCCC201	Cell Biology	Core	4	BCOE201	Basics of Open Biochemistry	Open Elective	4
BCCC202	Immunology and Immunotechniques	Core	4	BCCC202	Immunology and Immunotechniques	Core	4
BCCC203	Enzymes and their Biotechnological Applications	Core	4	BCCC203	Enzymes and their Biotechnological Applications	Core	4
BCCC204	Molecular Biology	Core	4	BCCC204	Molecular Biology	Core	4
BCCC205	Practicals	Core	8	BCCC205	Practicals	Core	8
Total Credits			24	Total Credits			24
Part II : Semester III				Part II : Semester III			
Paper Code	Paper title	Type of Course	Credit	Paper Code	Paper title	Type of Course	Credit
BCCC301	Recombinant DNA	Core	4				

	Technology and Applications in Biotechnology			BCCC301	Recombinant DNA Technology and Applications in Biotechnology	Core	4
BCCC302	Developmental Biology	Core	4	BCCC302	Developmental Biology	Core	4
BCCC303	Proteomics and Metabolomics	Core	4	BCCC303	Cell Biology	Core	4
BCCC304	Presentation : Concepts in Research	Core	4	BCCC304	Presentation : Concepts in Research	Core	4
BCCC305	Practical Skills in Research	Core	8	BCCC305	Practical Skills in Research	Core	8
Total Credits			24	Total Credits			24
Part II : Semester IV				Part II : Semester IV			
Paper Code	Paper title	Type of Course	Credit	Paper Code	Paper title	Type of Course	Credit
BCCC401	Advanced Techniques in Genomics for Biotechnology	Core	4	BCCC401	Advanced Techniques in Genomics for Biotechnology	Core	4
BCOE401	Basics of Biochemistry	Open Elective	4	BCCC402	Dissertation by Research	Core	16
BCCC402	Dissertation by Research	Core	16	BCCC403	Proteomics and Metabolomics	Core	4
Total Credits			24	Total Credits			24

7. Amendment to Ordinance V (2) & VII. [E.C Res. 8-1-4 dated 31.08.2021]

M.Sc. Biophysics

Existing				Amended			
Part I: Semester I				Part I: Semester I			
Paper Code	Paper title	Type of Course	Credit	Paper Code	Paper title	Type of Course	Credit
BPCC101 OR BPCC102	Introductory Biology (for students with Physical Science background) OR Introductory Physics & Chemistry (for students with Biological Science background)	Core	4	BPCC101: OR BPCC102	Introductory Biology (for students with Physical Science background) OR Introductory Physics & Chemistry (for students with Biological Science background)	Core	4
BPCC103	Mathematics and Statistics for Life Sciences	Core	4	BPCC103	Mathematics and Statistics for Life Sciences	Core	4
BPCC104	Concepts of Biochemistry	Core	4	BPCC104	Concepts of Biochemistry	Core	4
MBCC301	Molecular Biology (from Department of Microbiology, University of Delhi South Campus)	Core	4	BPCC105	Computer Applications in Biology	Core	4
BPCC105	PRACTICALS (Based on BPCC104 & MBCC301)	Core	8	BPCC106	Practicals-I (Based on BPCC104 and BPCC105)	Core	8
Total Credits			24	Total Credits			24

Part I : Semester II

Paper Code	Paper title	Type of Course	Credit
BPCC021	Molecular Biophysics	Core	4
BPCC202	Physical Methods in Biology	Core	4
GENCC204	RECOMBINANT DNA TECHNOLOGY (from Department of Genetics, University of Delhi South Campus)	Core	4
BPCC203	PRACTICALS (Based on Papers BPCC201, BPCC202, GENCC204)	Core	8
BPEC201 OR BPEC202	Photo-Biophysics, Radiation & Environmental Biophysics OR Programming and Data Analytics	Elective	4
Total Credits			24

Part II : Semester III

Paper Code	Paper title	Type of Course	Credit
BPCC301	Cellular Biophysics & Bioenergetics	Core	4
BPCC302	Computer Applications in Biology	Core	4
BPCC303	Physiological Biophysics	Core	4
BPCC304	PRACTICALS-III (Based on Papers BPCC301, BPCC302, BPCC303)	Core	8
BPEC301 OR BCCC302	Methods in High-throughput Biology OR Developmental Biology (from Department of Biochemistry, University of Delhi South Campus)	Elective	4
Total Credits			24

Part I : Semester II

Paper Code	Paper title	Type of Course	Credit
BPCC201	Molecular Biophysics	Core	4
BPCC202	Physical Methods in Biology	Core	4
GENCC204	RECOMBINANT DNA TECHNOLOGY (from Department of Genetics, University of Delhi South Campus)	Core	4
BPCC203	Practicals-II (Based on Papers BPCC201, BPCC202, GENCC204)	Core	8
BPEC201 OR BPEC202	Photo-Biophysics, Radiation & Environmental Biophysics OR Programming and Data Analytics	Elective	4
Total Credits			24

Part II : Semester III

Paper Code	Paper title	Type of Course	Credit
BPCC301	Cellular Biophysics & Bioenergetics	Core	4
BPCC302	Physiological Biophysics	Core	4
MBCC301	Molecular Biology (from Department of Microbiology, University of Delhi South Campus)	Core	4
BPCC303	Practicals-III (Based on BPCC301, BPCC302, MBCC303)	Core	8
BPEC301 OR BCCC302	Methods in High-throughput Biology OR Developmental Biology (from Department of Biochemistry, University of Delhi South Campus)	Elective	4
Total Credits			24

Part II : Semester IV				Part II : Semester IV			
Paper Code	Paper title	Type of Course	Credit	Paper Code	Paper title	Type of Course	Credit
BPCC401	Membrane Biophysics and Neuro-Biophysics	Core	4	BPCC401	Membrane Biophysics and Neuro-Biophysics	Core	4
BPCC402	DISSERTATION/PROJECT	Core	16	BPCC402	Dissertation/Project	Core	16
BPOE401	Theoretical & Mathematical Biology	Open Elective	4	BPOE401	Theoretical & Mathematical Biology	Open Elective	4
Total Credits			24	Total Credits			24

8. Amendment to Ordinance XXVIII. [E.C Res. 8-4 dated 31.08.2021]

EXISTING	AMENDED
<p>SNEH RANA SCHOLARSHIP and P.S. RANA SCHOLARSHIP</p> <p>132.</p> <p>1. There shall be two scholarships for the female students of M.A./M.Sc. Mathematics (one for previous & one for final year students) in Delhi University in the name of “Sneh Rana Scholarship” and two scholarships for the male students of M.A./M.Sc. Mathematics (one for previous & one for final year students) in the name of “P.S. Rana Scholarship” on the basis of merit cum financial needs of the value of ₹15000/- p.a. each out of the annual income accrued from the endowment fund of ₹20,00,000/- (Twenty Lacs) donated by Mr. P.S. Rana, BA – 6 A, Ashok Vihar – I, Delhi – 110052.</p> <p>2. The Scholarships shall be awarded to four students (two for previous and two for final year) pursuing M.A./M.Sc. (Mathematics).</p> <p>3. to 9. – No Change –</p>	<p>SNEH RANA SCHOLARSHIP and P.S. RANA SCHOLARSHIP</p> <p>132.</p> <p>1. There shall be three scholarships for the female students of M.A./M.Sc. Mathematics (one for previous & two for final year students) in Delhi University in the name of “Sneh Rana Scholarship” and three scholarships for the male students of M.A./M.Sc. Mathematics (one for previous & two for final year students) in the name of “P.S. Rana Scholarship” on the basis of merit cum financial needs of the value of ₹14000/- p.a. each out of the annual income accrued from the endowment fund of ₹26,00,000/- (Twenty Six Lacs) donated by Mr. P.S. Rana, BA – 6 A, Ashok Vihar – I, Delhi – 110052.</p> <p>2. The Scholarships shall be awarded to six students (two for previous and four for final year) pursuing M.A./M.Sc. (Mathematics).</p> <p>3. to 9. – No Change –</p>

9. Amendment to Ordinance VI. [E.C Res. No. 32-1 dated 29.10.2021] related to Ord. VI. Procedure for Award of Master of Philosophy (M.Phil.) and Doctor of Philosophy (Ph.D.) Degree

Existing	Amended
<p>Clause M 1.</p> <p>Prior to submission of the thesis, the research scholar shall make a pre-M.Phil./pre-Ph.D. presentation in the Department before the Research Advisory Committee, wherever applicable which shall be open to all faculty members and other student. The feedback and comments obtained from them may be suitably incorporated in the draft dissertation/thesis in consultation with the Research Advisory Committee.</p>	<p>Prior to submission of the thesis, the research scholar shall make a pre-M.Phil./pre-Ph.D. presentation in the Department before the Research Advisory Committee, which shall be open to all faculty members and other students. The feedback and comments obtained from them may be suitably incorporated in the draft dissertation/thesis in consultation with the Research Advisory Committee.</p> <p>The supervisor shall forward the abstract of the thesis including Table of Contents and panel of six examiners to the Head of the Department for consideration by the DRC. The panel of examiners shall be eminent Scholars (Professors or equivalent, Associate Professor in special circumstances only but not more than two Associate Professors or equivalent among six proposed examiners) and specialists in the area of the thesis, normally not more than one from the same Department of a particular University/Institute.</p> <p>The Head of the Department shall convene a meeting of the DRC within one month (or within a reasonable time) of submission of the abstract, table of contents and examiners list and forward the same to the BRS.</p>
<p>Clause M 11.</p> <p>For submission of Ph.D. thesis, the abstract of the thesis including Table of Contents must be forwarded by the Supervisor to the Head of the Department for consideration by the DRC. The Head of the Department shall convene a meeting of the DRC within one month of submission of the abstract with Supervisor of the thesis as an invitee to recommend a panel of a minimum of six external examiners, who shall be eminent scholars and specialists in the area of the thesis, normally not more than one from the same Department of a particular University/Institute.</p>	<p>The concerned BRS shall review the recommendations of the DRC and forward the panel of examiners to the Examination branch on or before the submission of the thesis. In order to avoid delay, the Chairman of the respective BRS may approve the panel of examiners duly recommended by the concerned DRC and report the same in the next meeting of BRS.</p>

Existing	Amended
The concerned BRS shall review the recommendations of the DRC and forward them to the Examination Branch within one month of the submission of the thesis. In order to avoid delay, the Chairman of the respective BRS may approve the panel of examiners duly recommended by the concerned DRC and report the same, in the next meeting or BRS.	
Clause M 12 The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Supervisor and at least two external examiners, who are/were not in employment of the University, or whom one examiner, may be from outside the country. It is expected that those who have retired from the University of Delhi, may not be appointed as external examiners. The viva voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Supervisor and at least one of the two external examiners shall be open to be attended by Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/researchers.	The Ph.D. thesis submitted by a research scholar shall be evaluated by three external examiners, who are/were not in employment of the University, of whom one examiner may be from outside the country. It is expected that those who have retired from the University of Delhi, may not be appointed as external examiners. The viva voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Supervisor and at least one of the three external examiners as approved by the Vice Chancellor shall attend it. The viva voce shall be open to be attended by Members of the research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/researchers.

10. Amendment to Regulation 16. [E.C Res. No. 33-9 dated 29.10.2021]

Regulations – Convocation

Existing	Amended
16. (i) General Rules 1. A Convocation for the purpose of conferring degrees shall be held annually at Delhi on such date as the Chancellor may fix. 2. The Academic Council shall, from time to time, determine as to the degrees which may be conferred on graduates in person	xxx xxx xxx xxx xxx xxx xxx xxx xxx xxx xxx xxx

<p>and the degrees to be conferred <i>in absentia</i>, at the Convocation.</p> <p>Provided that the Vice-Chancellor may confer a Degree in advance of the Annual Convocation to the students for any of the following reasons, duly supported by the documentary evidence:</p> <p>(a) Leaving the Country to pursue higher Studies abroad Or (b) Leaving the Country to take up Residence abroad.</p> <p>3. All the Degrees, Diplomas and Certificates (except Ph.D. degrees) shall bear the printed Signature of the Registrar and the Vice-Chancellor with effect from the Year 2007.</p> <p>4. The Academic Council shall, from time to time, determine the procedure to be followed at the Convocation.</p> <p>5. Special Convocations for conferring Degrees or for other purposes may be held on such Dates and on such times as the Chancellor on the recommendation of the Academic Council, may fix.</p>	<p>xxx xxx xxx xxx xxx xxx</p> <p><u>Substituted with the following:-</u></p> <p>(a) Leaving the Country to pursue higher Studies abroad Or (b) Leaving the Country to take up Residence abroad. Or (c) Require the Degree to join service in a government/PSU</p> <p>xxx xxx xxx xxx xxx xxx</p> <p>xxx xxx xxx xxx xxx xxx</p> <p>xxx xxx xxx xxx xxx xxx</p>
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11. Amendment to Ordinance VIII. [E.C Res. No. 33-9 dated 29.10.2021]

Ord. VIII	Existing	Amended
Clause 2 (2)	<p>(2) Subject to the provisions..... xxx xxx xxx xxx xxx xxx</p> <p>Provided that for all the three year under-graduate courses under the Semester Scheme, the span period to complete the course will be six years from the year of admission in the First Semester.</p>	<p>(2) All those students admitted from the session 2016-2017 who, for whatever reasons, are not able to complete the programme within the normal period of the minimum duration prescribed for the programme may be allowed two years beyond the normal period to clear the backlog to be qualified for the degree. The general formula, therefore should be as follows:</p> <p>a) Time Span = N+2 years for the completion of programme where</p>

Ord. VIII	Existing	Amended
		<p>N stands for the normal or minimum duration prescribed for completion of the programme.</p> <p>b) In exceptional circumstances a further extension of one more year may be granted. The exceptional circumstances be spelt out clearly by the relevant statutory body concerned of the University.</p> <p>c) During the extended period the student shall be considered as a ex-student and also not be eligible for ranking.</p>
Clause 2 (3)	(3) For all students obtaining admission under the four-year undergraduate programme starting 2013-14, the span period to complete the course will be ten years from the year of admission in the First Semester, irrespective of whether the students will be awarded a Diploma, Bachelor Degree or Bachelor with Honours/B.Tech Degree, provided the student has completed all requirements to become eligible for appearing in the University examinations as per rules.	(3) For all those students <i>admitted to the four-year undergraduate programme in the year 2013-14 for B.Tech. in Computer Sciences, Electronics, Food Technology, Instrumentation Electronics and Polymer Science</i> , the span period to complete the course will be ten years from the year of admission in the First Semester, irrespective of whether the students will be awarded a Diploma, Bachelor Degree or Bachelor with Honours/B.Tech Degree, provided the student has completed all requirements to become eligible for appearing in the University examinations as per rules.
Clause 2 (4)	(4) For all the students obtaining admissions under the Three Year Under-graduate Programme under CBCS starting 2015-16, the span period to complete the course will be 6 years from the year of admission in the first semester, irrespective of the different courses provided the student has completed all requirements to become eligible for appearing in the University Examinations as per rules.	<p>(4)</p> <p>(i) All the students admitted to Three Year CBCS system in the Academic Session 2015-16, the span period to complete the course will be 6 years from admission in the first semester, irrespective of the different courses provided the student has completed all requirements to become eligible for appearing in the University Examinations as per rules.</p> <p>(ii) All the students admitted to Three Year CBCS system in the Academic Session 2016-17, the</p>

Ord. VIII	Existing	Amended
		<p>span period to complete the course will be 5 years from admission in the first semester, irrespective of the different courses provided the student has completed all requirements to become eligible for appearing in the University Examinations as per rules.</p> <p>Note:</p> <p>(a) Ordinarily, no student should be given time beyond the extended period of two years. However, in exceptional circumstances and on the basis of the merits of each case University may allow a student one more year for completion of the programme.</p> <p>(b) During the extended period the student shall be considered as an Ex. student and also not be eligible for ranking.</p>

12. Amendment to Ordinance V (2) & VII. [E.C Res. 15-6 dated 31.08.2021] related to the MBBS Course starting from academic session 2019-20 onwards.

Following may be added in the existing MBBS Ordinance approved by the Executive Council at its meeting held on 09.07.2011 and on 08.12.2020:

MBBS COURSE STARTING FROM THE ACADEMIC SESSION 2019-20 ONWARDS

CHAPTER I

GENERAL CONSIDERATIONS AND TEACHING APPROACH

1. Introduction

The provisions contained in these Regulations shall apply to the MBBS course starting from academic year 2019-20 onwards

1.1 Indian Medical Graduate Training Programme

The undergraduate medical education programme is designed with a goal to create an "Indian Medical Graduate" (IMG) possessing requisite knowledge, skills, attitudes, values and responsiveness, so that she or he may function appropriately and effectively as a physician of first contact of the community while being globally relevant. To achieve this, the following national and institutional goals for the learner of the Indian Medical Graduate

training programme are hereby prescribed:-

2. Objectives of the Indian Medical Graduate Training Programme

2.1 National Goals

At the end of undergraduate program, the Indian Medical Graduate should be able to:

- (a) Recognize “health for all” as a national goal and health right of all citizens and by undergoing training for medical profession to fulfill his/her social obligations towards realization of this goal.
- (b) Learn every aspect of National policies on health and devote her/him to its practical implementation.
- (c) Achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases.
- (d) Develop scientific temper, acquire educational experience for proficiency in profession and promote healthy living.
- (e) Become exemplary citizen by observance of medical ethics and fulfilling social and professional obligations, so as to respond to national aspirations.

2.2 Institutional Goals

- (1) In consonance with the national goals each medical institution should evolve institutional goals to define the kind of trained manpower (or professionals) they intend to produce. The Indian Medical Graduates coming out of a medical institute should:
 - (a) be competent in diagnosis and management of common health problems of the individual and the community, commensurate with his/her position as a member of the health team at the primary, secondary or tertiary levels, using his/her clinical skills based on history, physical examination and relevant investigations.
 - (b) be competent to practice preventive, promotive, curative, palliative and rehabilitative medicine in respect to the commonly encountered health problems.
 - (c) Appreciate rationale for different therapeutic modalities; be familiar with the administration of “essential medicines” and their common adverse effects.
 - (d) be able to appreciate the socio-psychological, cultural, economic and environmental factors affecting health and develop humane attitude towards the patients in discharging one's professional responsibilities.
 - (e) Possess the attitude for continued self-learning and to seek further expertise or to pursue research in any chosen area of medicine, action research and documentation skills.
 - (f) be familiar with the basic factors which are essential for the implementation of the National Health Programmes including practical aspects of the following:
 - (i) Family Welfare and Maternal and Child Health(MCH)
 - (ii) Sanitation and water supply
 - (iii) Prevention and control of communicable and non-communicable diseases
 - (iv) Immunization
 - (v) Health Education
 - (vi) Indian Public Health Standards (IPHS), at various levels of service delivery
 - (vii) Bio-medical waste disposal
 - (viii) Organizational and/or institutional arrangements.
 - (g) acquire basic management skills in the area of human resources, materials and resource management related to health care delivery, hospital management, inventory skills and counseling.

- (h) be able to identify community health problems and learn to work to resolve these by designing, instituting corrective steps and evaluating outcome of such measures.
 - (i) be able to work as a leading partner in health care teams and acquire proficiency in communication skills.
 - (j) be competent to work in a variety of health care settings.
 - (k) have personal characteristics and attitudes required for professional life such as personal integrity, sense of responsibility and dependability and ability to relate to or show concern for other individuals.
- (2) All efforts must be made to equip the medical graduate to acquire the skills as detailed in Table 11 Certifiable procedural skills – A Comprehensive list of skills recommended as desirable for Bachelor of Medicine and Bachelor of Surgery (MBBS) – Indian Medical Graduate.

2.3 Goals and Roles for the Learner

In order to fulfill the goal of the IMG training programme, the medical graduate must be able to function in the following roles appropriately and effectively:-

- (a) Clinician who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
- (b) Leader and member of the healthcare team and system with capabilities to collect analyze, synthesized communicate health data appropriately.
- (c) Communicator with patients, families, colleagues and community.
- (d) Lifelong learner committed to continuous improvement of skills and knowledge.
- (e) Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and profession.

3. Competency Based Training Programme of the Indian Medical Graduate

Competency based learning would include designing and implementing medical education curriculum that focuses on the desired and observable ability in real life situations. In order to effectively fulfill the roles as listed in clause 2, the Indian Medical Graduate would have obtained the following set of competencies at the time of graduation:

3.1 *Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion*

- 3.1.1 Demonstrate knowledge of normal human structure, function and development from a molecular, cellular, biologic, clinical, behavioral and social perspective.
- 3.1.2 Demonstrate knowledge of abnormal human structure, function and development from a molecular, cellular, biological, clinical, behavioral and social perspective.
- 3.1.3 Demonstrate knowledge of medico-legal, societal, ethical and humanitarian principles that influence health care.
- 3.1.4 Demonstrate knowledge of national and regional health care policies including the National Health Mission that incorporates National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM), frameworks, economics and systems that influence health promotion, health care delivery, disease prevention, effectiveness, responsiveness, quality and patient safety.
- 3.1.5 Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is complete and relevant to disease identification, disease prevention and health promotion.
- 3.1.6 Demonstrate ability to elicit and record from the patient, and other relevant sources including relatives and caregivers, a history that is contextual to gender, age, vulnerability, social and economic status, patient preferences, beliefs and values.

- 3.1.7 Demonstrate ability to perform a physical examination that is complete and relevant to disease identification, disease prevention and health promotion.
- 3.1.8 Demonstrate ability to perform a physical examination that is contextual to gender, social and economic status, patient preferences and values.
- 3.1.9 Demonstrate effective clinical problem solving, judgment and ability to interpret and integrate available data in order to address patient problems, generate differential diagnoses and develop individualized management plans that include preventive, promotive and therapeutic goals.
- 3.1.10 Maintain accurate, clear and appropriate record of the patient in conformation with legal and administrative frameworks.
- 3.1.11 Demonstrate ability to choose the appropriate diagnostic tests and interpret these tests based on scientific validity, cost effectiveness and clinical context.
- 3.1.12 Demonstrate ability to prescribe and safely administer appropriate therapies including nutritional interventions, pharmacotherapy and interventions based on the principles of rational drug therapy, scientific validity, evidence and cost that conform to established national and regional health programmes and policies for the following:
 - (i) Disease prevention,
 - (ii) Health promotion and cure,
 - (iii) Pain and distress alleviation, and
 - (iv) Rehabilitation.
- 3.1.13 Demonstrate ability to provide a continuum of care at the primary and/or secondary level that addresses chronicity, mental and physical disability.
- 3.1.14 Demonstrate ability to appropriately identify and refer patients who may require specialized or advanced tertiary care.
- 3.1.15 Demonstrate familiarity with basic, clinical and translational research as it applies to the care of the patient.

3.2 *Leader and member of the health care team and system*

- 3.2.1 Work effectively and appropriately with colleagues in an inter-professional health care team respecting diversity of roles, responsibilities and competencies of other professionals.
- 3.2.2 Recognize and function effectively, responsibly and appropriately as a health care team leader in primary and secondary health care settings.
- 3.2.3 Educate and motivate other members of the team and work in a collaborative and collegial fashion that will help maximize the health care delivery potential of the team.
- 3.2.4 Access and utilize components of the health care system and health delivery in a manner that is appropriate, cost effective, fair and in compliance with the national health care priorities and policies, as well as be able to collect, analyze and utilize health data.
- 3.2.5 Participate appropriately and effectively in measures that will advance quality of health care and patient safety within the health care system.
- 3.2.6 Recognize and advocate health promotion, disease prevention and health care quality improvement through prevention and early recognition: in a) life style diseases and b) cancers, in collaboration with other members of the health care team.

3.3 *Communicator with patients, families, colleagues and community*

- 3.3.1 Demonstrate ability to communicate adequately, sensitively, effectively and

respectfully with patients in a language that the patient understands and in a manner that will improve patient satisfaction and health care outcomes.

- 3.3.2 Demonstrate ability to establish professional relationships with patients and families that are positive, understanding, humane, ethical, empathetic, and trustworthy.
- 3.3.3 Demonstrate ability to communicate with patients in a manner respectful of patient's preferences, values, prior experience, beliefs, confidentiality and privacy.
- 3.3.4 Demonstrate ability to communicate with patients, colleagues and families in a manner that encourages participation and shared decision-making.

3.4 Lifelong learner committed to continuous improvement of skills and knowledge

- 3.4.1 Demonstrate ability to perform an objective self-assessment of knowledge and skills, continue learning, refine existing skills and acquire new skills.
- 3.4.2 Demonstrate ability to apply newly gained knowledge or skills to the care of the patient.
- 3.4.3 Demonstrate ability to introspect and utilize experiences, to enhance personal and professional growth and learning.
- 3.4.4 Demonstrate ability to search (including through electronic means), and critically evaluate the medical literature and apply the information in the care of the patient.
- 3.4.5 Be able to identify and select an appropriate career pathway that is professionally rewarding and personally fulfilling.

3.5 Professional who is committed to excellence is ethical, responsive and accountable to patients, community and the profession

- 3.5.1 Practice selflessness, integrity, responsibility, accountability and respect.
- 3.5.2 Respect and maintain professional boundaries between patients, colleagues and society.
- 3.5.3 Demonstrate ability to recognize and manage ethical and professional conflicts.
- 3.5.4 Abide by prescribed ethical and legal codes of conduct and practice.
- 3.5.5 Demonstrate a commitment to the growth of the medical profession as a whole.

4. Broad Outline on training format

- 4.1 In order to ensure that training is in alignment with the goals and competencies listed in sub-clause 2 and 3 above:

- 4.1.1 There shall be a "Foundation Course" to orient medical learners to MBBS programme, and provide them with requisite knowledge, communication (including electronic), technical and language skills.
- 4.1.2 The curricular contents shall be vertically and horizontally aligned and integrated to the maximum extent possible in order to enhance learner's interest and eliminate redundancy and overlap.
- 4.1.3 Teaching-learning methods shall be learner centric and shall predominantly include small group learning, interactive teaching methods and case based learning.
- 4.1.4 Clinical training shall emphasize early clinical exposure, skill acquisition, certification in essential skills; community/primary/secondary care-based learning experiences and emergencies.
- 4.1.5 Training shall primarily focus on preventive and community based approaches to health and disease, with specific emphasis on national health priorities such as family welfare, communicable and non- communicable diseases including cancer, epidemics and disaster management.

- 4.1.6 Acquisition and certification of skills shall be through experiences in patient care, diagnostic and skill laboratories.
 - 4.1.7 The development of ethical values and overall professional growth as integral part of curriculum shall be emphasized through a structured longitudinal and dedicated programme on professional development including attitude, ethics and communication.
 - 4.1.8 Progress of the medical learner shall be documented through structured periodic assessment that includes formative and summative assessments. Logs of skill-based training shall be also maintained.
- 4.2 Appropriate Faculty Development Programmes shall be conducted regularly by institutions to facilitate medical teachers at all levels to continuously update their professional and teaching skills, and align their teaching skills to curricular objectives.

CHAPTER II

5. ADMISSION TO THE INDIAN MEDICAL GRADUATE PROGRAMME: NATIONAL ELIGIBILITY-CUM- ENTRANCE TEST AND COMMON COUNSELLING

Admission to the Indian Medical Graduate Programme

1. Eligibility Conditions/Requirement for admission to MBBS Course : -

- a. **Age:** The candidates complete the age of 17 (seventeen) years on or before 31st December of the year of admission to MBBS Course.

Note: The candidates above 25 years are provisionally permitted to appear and their candidature is subject to the outcome of pending Petitions before the Hon'ble Supreme Court.

- b. **Qualifying examination:**

- (i) The educational qualification for admission is as per National Eligibility Entrance Test (NEET) conducted by National Testing Agency (NTA).
- (ii) Further to become eligible for 85% Delhi Quota, the candidate must have passed 11th and 12th standard examination under 10 + 2 system conducted by CBSE/Indian school certificate examination/Jamia Millia Islamia, New Delhi or any other equivalent examination from a recognized school situated within the NCT of Delhi only. The Candidates who have passed qualifying examination from Patrachar Vidyalaya or National Institute of Open Schooling will be eligible for admission in MBBS/BDS courses under 85% Delhi Quota provided their study center and the examination Center were within the National Capital Territory of Delhi (NCTD) and they must upload a certificate from the controlling authority of Patrachar Vidyalaya/NIOS in this regard.
- (iii) Further, guidelines / eligibility conditions and other requirements will be decided by the Medical Sciences Course Admission Committee (MSCAC) from time to time with the approval of Competent Authority and published in the Bulletin of Information every year.

The candidates who do not qualify the NEET – UG Examination conducted by NTA are not eligible.

2. Procedure for selection to MBBS course shall be as follows:

- (1) There shall be a uniform entrance examination to all medical educational institutions at the under graduate level namely 'National Eligibility-cum- Entrance Test for admission to MBBS course in each academic year and shall be conducted under overall supervision of the Ministry of Health & Family Welfare, Government of India.

- (2) The “designated authority” to conduct the ‘National Eligibility-Cum Entrance Test’ shall be the National Testing Agency (NTA) or any other body/organization so designated by the Ministry of Health & Family Welfare, Government of India, in consultation with the National Medical Commission.
- (3) The language and manner of conducting the ‘National Eligibility-Cum- Entrance Test’ shall be determined by the “designated authority” in consultation with the National Medical Commission and the Ministry of Health and Family Welfare, Government of India.
- (4) In order to be eligible for admission to MBBS Course for an academic year, it shall be necessary for a candidate to obtain minimum of marks at 50th percentile in ‘National Eligibility-cum-Entrance Test to MBBS course’ held for the said academic year. However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes, Other Backward Classes, the minimum marks shall be at 40th percentile. In respect of candidates with benchmark disabilities specified under the Rights of Persons with Disabilities Act, 2016, in terms of Clause 4(3) above, the minimum marks shall be at 45th percentile. The percentile shall be determined on the basis of highest marks secured in the All- India common merit list for admission in ‘National Eligibility-cum- Entrance Test for admission to MBBS course.
- (5) Provided when sufficient number of candidates in the respective categories fail to secure minimum marks as prescribed in National Eligibility-cum-Entrance Test held for any academic year for admission to MBBS Course, the Central Government in consultation with National Medical Commission may at its discretion lower the minimum marks required for admission to MBBS Course for candidates belonging to respective categories and marks so lowered by the Central Government shall be applicable for the said academic year only.
- (6) The reservation of seats in Medical Colleges for respective categories shall be as per applicable laws prevailing in States/Union Territories. An All India merit list as well as State/Union Territory-wise merit list of the eligible candidates shall be prepared on the basis of marks obtained in ‘National Eligibility-cum-Entrance Test and candidates shall be admitted to MBBS course from the said lists only.
- (7) No candidate who has failed to obtain the minimum eligibility marks as prescribed in Sub-clause (4) above shall be admitted to MBBS course in the said academic year.
- (8) No authority/institution shall admit any candidate to the MBBS course in contravention of the criteria/procedure as laid down by these Regulations and / or in violation of the judgments passed by the Hon’ble Supreme Court in respect of admissions. Any candidate admitted in contravention/violation of aforesaid shall be discharged by the Council forthwith. The authority/institution which grants admission to any student in contravention / violation of the Regulations and / or the judgments passed by the Hon’ble Supreme Court, shall also be liable to face such action as may be prescribed by the Council, including surrender of seats equivalent to the extent of such admission made from its sanctioned intake capacity for the succeeding academic year/years.
- (9) All admission to MBBS course within the respective categories shall be based solely on the marks obtained in the ‘National Eligibility-Cum- Entrance Test.

CHAPTER III

MIGRATION

6. Migration

No migration is permitted in the Medical Colleges of the University of Delhi.

CHAPTER IV

PHASE WISE TRAINING AND TIME DISTRIBUTION FOR PROFESSIONAL DEVELOPMENT

The Competency based Undergraduate Curriculum and Attitude, Ethics and Communication (AETCOM) course, as published by the National Medical Commission and also made available on the Commission's website, shall be the curriculum for the batches admitted in MBBS from the academic year 2019-20 onwards.

Provided that in respect of batches admitted prior to the academic year 2019-20, the governing provisions shall remain as contained in the Part I of these Regulations.

7. Training period and time distribution:

7.1	Every very learner shall undergo a period of certified study extending over 4½ academic years, divided into nine semesters from the date of commencement of course to the date of completion of examination which shall be followed by one year of compulsory rotating internship.
7.2	Each academic year will have at least 240 teaching days with a minimum of eight hours of working on each day including one hour as lunch break.
7.3	Teaching and learning shall be aligned and integrated across specialties both vertically and horizontally for better learner comprehension. Learner centered learning methods should include problem oriented learning, case studies, community oriented learning, self-directed and experiential learning.
7.4	The period of 4 ½ years is divided as follows:
	7.4.1. Pre-Clinical Phase [(Phase I) - First Professional phase of 13 months preceded by Foundation Course of one month]: will consist of preclinical subjects – Human Anatomy, Physiology, Biochemistry, Introduction to Community Medicine, Humanities, Professional development including Attitude, Ethics & Communication (AETCOM) module and early clinical exposure, ensuring both horizontal and vertical integration.
	7.4.2. Para-clinical phase [(Phase II) - Second Professional (12 months)]: will consist of Para-clinical subjects namely Pathology, Pharmacology, Microbiology, Community Medicine, Forensic Medicine and Toxicology, Professional development including Attitude, Ethics & Communication (AETCOM) module and introduction to clinical subjects ensuring both horizontal and vertical integration. The clinical exposure to learners will be in the form of learner-doctor method of clinical training in all phases. The emphasis will be on primary, preventive and comprehensive health care. A part of training during clinical postings should take place at the <i>primary level</i> of health care. It is desirable to provide learning experiences in secondary health care, wherever possible. This will involve: (a) Experience in recognizing and managing common problems seen in outpatient, inpatient and emergency settings, (b) Involvement in patient care as a team member, (c) Involvement in patient management and performance of basic procedures.

	7.4.3. Clinical Phase – [(Phase III) Third Professional (28months)]
	<p>Part I (13 months) - The clinical subjects include General Medicine, General Surgery, Obstetrics & Gynaecology, Pediatrics, Orthopaedics, Dermatology, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Psychiatry, Respiratory Medicine, Radio-diagnosis & Radiotherapy and Anaesthesiology & Professional development including AETCOM module.</p> <p>Electives (2 months) - To provide learners with opportunity for diverse learning experiences, to do research/community projects that will stimulate enquiry, self-directed experimental learning and lateral thinking [9.3].</p> <p>Part II (13 months) - Clinical subjects include:</p> <ul style="list-style-type: none"> • Medicine and allied specialties (General Medicine, Psychiatry, Dermatology Venereology and Leprosy (DVL), Respiratory Medicine including Tuberculosis) • Surgery and allied specialties (General Surgery, Orthopedics [including trauma]), Dentistry, Physical Medicine and rehabilitation, Anaesthesiology and Radio-diagnosis) • Obstetrics and Gynecology (including Family Welfare) • Pediatrics • AETCOM module
7.5	<p>Didactic lectures shall not exceed one third of the schedule; two third of the schedule shall include interactive sessions, practicals, clinical or/and group discussions. The learning process should include clinical experiences, problem oriented approach, case studies and community health care activities.</p> <p>The admission shall be made strictly in accordance with the statutory notified time schedule towards the same.</p>
7.6	<p>Universities shall organize admission timing and admission process in such a way that teaching in the first Professional year commences with induction through the Foundation Course by the 1st of August of each year.</p> <p>(i) Supplementary examinations shall not be conducted later than 90 days from the date of declaration of the results of the main examination, so that the learners who pass can join the main batch for progression and the remainder would appear for the examination in the subsequent year.</p> <p>(ii) A learner shall not be entitled to graduate later than ten (10) years of her/his joining the first MBBS course.</p>
7.7	No more than four attempts shall be allowed for a candidate to pass the first Professional examination. The total period for success full completion of first Professional course shall not exceed four (4) years. Partial attendance of examination in any subject shall be counted as an attempt.
7.8	A learner, who fails in the second Professional examination, shall not be allowed to appear in third Professional Part I examination unless he/she passes all subjects of second Professional examination
7.9	Passing in third Professional (Part I) examination is not compulsory before starting part II training; however, passing of third Professional (Part I) is compulsory for being

	eligible for third Professional (Part II) examination.
7.10	During para-clinical and clinical phases, including prescribed 2 months of electives, clinical postings of three hours duration daily as specified in Tables 5, 6, 7 and 8 would apply for various departments.

8. Phase distribution and timing of examination

8.1	Time distribution of the MBBS programme is given in Table1. (Modified time duration during COVID 19 as prescribed by National Medical Commission (Appendix 1))	
8.2	Distribution of subjects by Professional Phase-wise is given in Table2.	
8.3	Minimum teaching hours prescribed in various disciplines are as under Tables3-7.	
8.4	Distribution of clinical postings is given in Table8.	
8.5	Duration of clinical postings will be: 8.5.1 Second Professional : 36 weeks of clinical posting (Three hours per day - five days per week : Total 540 hours) 8.5.2 Third Professional part I: 42 weeks of clinical posting (Three hours per day - six days per week : Total 756 hours) 8.5.3 Third Professional part II: 44 weeks of clinical posting (Three hours per day - six days per week : Total 792 hours)	
8.6	Time allotted excludes time reserved for internal / University examinations, and vacation.	
8.7	Second professional clinical postings shall commence before / after declaration of results of the first professional phase examinations, as decided by the institution/ University. Third Professional parts I and part II clinical postings shall start no later than two weeks after the completion of the previous professional examination.	
8.8	25% of allotted time of third Professional shall be utilized for integrated learning with pre- and para clinical subjects. This will be included in the assessment of clinical subjects.	
8.9	Vacations will be in last two weeks of June and last two weeks of December for all Professionals	
8.10	VACATIONS FOR TEACHERS:-	
	(i) 20th December to 26th January	38 days
	(ii) 7th May to 15th July	70 days
	Total	108 days

Note:	1.	Each vacation will be in 2 halves with 1 common working day, in between
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	2.	If the common working day happen to be a holiday, then the next working day shall be common working day.
	3.	May be adjusted at College level.

Table 1: Time distribution of MBBS Programme & Examination Schedule

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
							Foundation Course	I MBBS			
I MBBS								Exam I MBBS	II MBBS		
II MBBS								Exam II MBBS	III MBBS		
III MBBS Part I									Exam III MBBS Part I	Electives & Skills	
III MBBS Part II											
Exam III MBBS Part II		Internship									
Internship											

- One month is provided at the end of every professional year for completion of examination and declaration of results.

Table 2: Distribution of subjects by Professional Phase

Phase & year of MBBS training	Subjects & New Teaching Elements	Duration#	University examination
First Professional MBBS	<ul style="list-style-type: none"> • Foundation Course (1month) • Human Anatomy, Physiology & Biochemistry, introduction to Community Medicine, Humanities • Early Clinical Exposure • Attitude, Ethics, and Communication Module (AETCOM) 	1 + 13 months	I Professional
Second Professional MBBS	<ul style="list-style-type: none"> • Pathology, Microbiology, Pharmacology, Forensic Medicine and Toxicology, • Introduction to clinical subjects including Community Medicine • Clinical postings • Attitude, Ethics & Communication Module(AETCOM) 	12 months	II Professional

Third Professional MBBS Part I	<ul style="list-style-type: none"> General Medicine, General Surgery, Obstetrics & Gynecology, Pediatrics, Orthopedics, Dermatology, Psychiatry, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Respiratory medicine, Radiodiagnosis & Radiotherapy, Anesthesiology Clinical subjects/postings Attitude, Ethics & Communication Module(AETCOM) 	13 months	III Professional (Part I)
Electives	<ul style="list-style-type: none"> Electives, Skills and assessment* 	2 months	
Third Professional MBBS Part II	<ul style="list-style-type: none"> General Medicine, Pediatrics, General Surgery, Orthopedics, Obstetrics and Gynecology including Family welfare and allied specialties Clinical postings/subjects Attitude, Ethics & Communication Module(AETCOM) 	13 months	III Professional (Part II)

*Assessment of electives shall be included in Internal Assessment.

Table 3: Foundation Course (one month)

Subjects/ Contents	Teaching hours	Self-Directed Learning (hours)	Total hours
Orientation ¹	30	0	30
Skills Module ²	35	0	35
Field visit to Community Health Center	8	0	8
Introduction to Professional Development & AETCOM module	-	-	40
Sports and extracurricular activities	22	0	22
Enhancement of language/ computer skills ³	40	0	40
	-	-	175

1. Orientation course will be completed as single block in the first week and will contain elements outlined in 9.1.
2. Skills modules will contain elements outlined in 9.1.
3. Based on perceived need of learners, one may choose language enhancement (English or local spoken or both) and computer skills. This should be provided longitudinally through the duration of the Foundation Course. Teaching of Foundation Course will be organized by pre-clinical departments.

Table 4: First Professional teaching hours

Subjects	Lectures (hours)	Small Group Teaching/ Tutorials/ Integrated learning/	Self directed learning	Total (hours)
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		Practical(hours)	(hours)	
Human Anatomy	220	415	40	675
Physiology*	160	310	25	495
Biochemistry	80	150	20	250
Early Clinical Exposure**	90	-	0	90
Community Medicine	20	27	5	52
Attitude, Ethics & Communication Module (AETCOM)***	-	26	8	34
Sports and extracurricular activities	-	-	-	60
Formative assessment and Term examinations	-	-	-	80
Total	-	-	-	1736

* including Molecular Biology.

** Early clinical exposure hours to be divided equally in all three subjects.

*** AETCOM module shall be a longitudinal programme.

Table 5: Second Professional teaching hours

Subjects	Lectures (hours)	Small group learning (Tutorials / Seminars) /Integrated learning (hours)	Clinical Postings (hours) *	Self - Directed Learning (hours)	Total (hours)
Pathology	80	138	-	12	230
Pharmacology	80	138	-	12	230
Microbiology	70	110	-	10	190
Community Medicine	20	30	-	10	60
Forensic Medicine and Toxicology	15	30	-	5	50
Clinical Subjects	75**	-	540***		615
Attitude, Ethics & Communication Module (AETCOM)		29	-	8	37
Sports and extracurricular activities	-	-	-	28	28
Total	-	-	-	-	1440

*At least 3hours of clinical instruction each week must be allotted to training in clinical and procedural skill laboratories. Hours may be distributed weekly or as a block in each posting based on institutional logistics.

** 25 hours each for Medicine, Surgery and Gynecology & Obstetrics.

***The clinical postings in the second professional shall be 15 hours per week (3 hrs per day from Monday to Friday).

Table 6: Third Professional Part I teaching hours

Subjects	Teaching Hours	Tutorials/Seminars /Integrated Teaching (hours)	Self Directed Learning (hours)	Total (hours)
General Medicine	25	35	5	65
General Surgery	25	35	5	65
Obstetrics and Gynecology	25	35	5	65
Pediatrics	20	30	5	55
Orthopaedics	15	20	5	40
Forensic Medicine and Toxicology	25	45	5	75
Community Medicine	40	60	5	105
Dermatology	20	5	5	30
Psychiatry	25	10	5	40
Respiratory Medicine	10	8	2	20
Otorhinolaryngology	25	40	5	70
Ophthalmology	30	60	10	100
Radiodiagnosis and Radiotherapy	10	8	2	20
Anesthesiology	8	10	2	20
Clinical Postings*	-	-	-	756
Attitude, Ethics & Communication Module (AETCOM)		19	06	25
Total	303	401	66	1551

* The clinical postings in the third professional part I shall be 18 hours per week (3 hrs per day from Monday to Saturday).

Table 7: Third Professional Part II teaching hours

Subjects	Teaching Hours	Tutorials/Seminars / Integrated Teaching (hours)	Self - Directed Learning (hours)	Total* (hours)
General Medicine	70	125	15	210
General Surgery	70	125	15	210
Obstetrics and Gynecology	70	125	15	210
Pediatrics	20	35	10	65
Orthopaedics	20	25	5	50
Clinical Postings**				792

Attitude, Ethics & Communication Module (AETCOM)***	28		16	43
Electives				200
Total	250	435	60	1780

* 25% of allotted time of third professional shall be utilized for integrated learning with pre- and para- clinical subjects and shall be assessed during the clinical subjects examination. This allotted time will be utilized as integrated teaching by para-clinical subjects with clinical subjects (as Clinical Pathology, Clinical Pharmacology and Clinical Microbiology).

** The clinical postings in the third professional part II shall be 18 hours per week (3 hrs per day from Monday to Saturday).

*** Hours from clinical postings can also be used for AETCOM modules.

Table 8: Clinical postings

Subjects	Period of training in weeks			Total weeks
	II MBBS	III MBBS Part I	III MBBS Part II	
Electives	-	-	8* (4 regular clinical posting)	4
General Medicine ¹	4	4	8+4	20
General Surgery	4	4	8+4	20
Obstetrics & Gynaecology ²	4	4	8 +4	20
Pediatrics	2	4	4	10
Community Medicine	4	6	-	10
Orthopedics - including Trauma ³	2	4	2	8
Otorhinolaryngology	4	4	-	8
Ophthalmology	4	4	-	8
Respiratory Medicine	2	-	-	2
Psychiatry	2	2	-	4
Radiodiagnosis ⁴	2	-	-	2
Dermatology, Venereology & Leprosy	2	2	2	6
Dentistry & Anesthesia	-	2	-	2
Casualty	-	2	-	2
Total	36	42	48	126

* In four of the eight weeks of electives, regular clinical postings shall be accommodated. Clinical postings may be adjusted within the time framework.

¹ This posting includes Laboratory Medicine (Para-clinical) & Infectious Diseases (Phase III Part I).

² This includes maternity training and family welfare (including Family Planning).

³ This posting includes Physical Medicine and Rehabilitation.

⁴ This posting includes Radiotherapy, wherever available.

9. New teaching / learning elements

9.1	Foundation Course
9.1.1	Goal: The goal of the Foundation Course is to prepare a learner to study medicine effectively. It will be of one month duration after admission.
9.1.2	<p>Objectives: The objectives are to:</p> <p>(a) Orient the learner to:</p> <ul style="list-style-type: none"> (i) The medical profession and the physician's role in society (ii) The MBBS programme (iii) Alternate health systems in the country and history of medicine (iv) Medical ethics, attitudes and professionalism (v) Health care system and its delivery (vi) National health programmes and policies (vii) Universal precautions and vaccinations (viii) Patient safety and biohazard safety (ix) Principles of primary care (general and community-based care) (x) The academic ambience <p>(b) Enable the learner to acquire enhanced skills in:</p> <ul style="list-style-type: none"> (i) Language (ii) Inter personal relationships (iii) Communication (iv) Learning including self-directed learning (v) Time management (vi) Stress management (vii) Use of information technology <p>(c) Train the learner to provide:</p> <ul style="list-style-type: none"> (i) First-aid (ii) Basic life support
9.1.3	<p>In addition to the above, learners may be enrolled in one of the following programmes which will be run concurrently:</p> <ul style="list-style-type: none"> (a) Local language programme (b) English language programme (c) Computer skills (d) These may be done in the last two hours of the day for the duration of the Foundation Course.
9.1.4	These sessions must be as interactive as possible.
9.1.5	Sports (to be used through the Foundation Course as protected 04 hours /week).
9.1.6	Leisure and extracurricular activity (to be used through the Foundation Course as protected 02 hours per week).
9.1.7	Institutions shall develop learning modules and identify the appropriate resource

	persons for their delivery.
9.1.8	The time committed for the Foundation Course may not be used for any other curricular activity.
9.1.9	The Foundation Course will have compulsory 75% attendance. This will be certified by the Dean of the college.
9.1.10	The Foundation Course will be organized by the Coordinator appointed by the Dean of the college and will be under supervision of the heads of the pre-clinical departments.
9.1.11	Every college must arrange for a meeting with parents and their wards.
9.2	Early Clinical Exposure
9.2.1	<p>Objectives: The objectives of early clinical exposure of the first-year medical learners are to enable the learner to:</p> <ul style="list-style-type: none"> (a) Recognize the relevance of basic sciences in diagnosis, patient care and treatment, (b) Provide a context that will enhance basic science learning, (c) Relate to experience of patients as a motivation to learn, (d) Recognize attitude, ethics and professionalism as integral to the doctor-patient relationship, (e) Understand the socio-cultural context of disease through the study of humanities.
9.2.2	<p>Elements</p> <ul style="list-style-type: none"> (a) Basic science correlation: i.e. apply and correlate principles of basic sciences as they relate to the care of the patient (this will be part of integrated modules). (b) Clinical skills: to include basic skills in interviewing patients, doctor-patient communication, ethics and professionalism, critical thinking and analysis and self-learning (this training will be imparted in the time allotted for early clinical exposure). (c) Humanities: To introduce learners to a broader understanding of the socio-economic framework and cultural context within which health is delivered through the study of humanities and social sciences.
9.3	Electives
9.3.1	<p>Objectives: To provide the learner with opportunities:</p> <ul style="list-style-type: none"> (a) For diverse learning experiences, (b) To do research/community projects that will stimulate enquiry, self-directed, experiential learning and lateral thinking.
9.3.2	Two months are designated for elective rotations after completion of the examination at end of the third MBBS Part I and before commencement of third MBBS Part II.
9.3.3	It is mandatory for learners to do an elective. The elective time should not be used to make up for missed clinical postings, shortage of attendance or other purposes.

9.3.4	<p>Structure</p> <p>(a) The learner shall rotate through two elective blocks of 04 weeks each.</p> <p>(b) Block 1 shall be done in a pre-selected preclinical or para-clinical or other basic sciences laboratory OR under a researcher in an ongoing research project. During the electives regular clinical postings shall continue.</p> <p>(c) Block 2 shall be done in a clinical department (including specialties, super-specialties, ICUs, blood bank and casualty) from a list of electives developed and available in the institution.</p> <p style="text-align: center;">OR</p> <p>as a supervised learning experience at a rural or urban community clinic.</p> <p>(d) Institutions will pre-determine the number and nature of electives, names of the supervisors, and the number of learners in each elective based on the local conditions, available resources and faculty.</p>
9.3.5	Each institution will develop its own mechanism for allocation of electives.
9.3.6	It is preferable that elective choices are made available to the learners in the beginning of the academic year.
9.3.7	The learner must submit a learning log book based on both blocks of the elective.
9.3.8	75% attendance in the electives and submission of log book maintained during elective is required for eligibility to appear in the final MBBS examination.
9.3.9	Institutions may use part of this time for strengthening basic skill certification.
9.4	Professional Development including Attitude, Ethics and Communication Module (AETCOM)
9.4.1	<p>Objectives of the programme: At the end of the programme, the learner must demonstrate ability to:</p> <p>(a) understand and apply principles of bioethics and law as they apply to medical practice and research understand and apply the principles of clinical reasoning as they apply to the care of the patients,</p> <p>(b) understand and apply the principles of system based care as they relate to the care of the patient,</p> <p>(c) understand and apply empathy and other human values to the care of the patient,</p> <p>(d) communicate effectively with patients, families, colleagues and other health care professionals,</p> <p>(e) understand the strengths and limitations of alternative systems of medicine,</p> <p>(f) respond to events and issues in a professional, considerate and humane fashion,</p> <p>(g) translate learning from the humanities in order to further his/her professional and personal growth.</p>
9.4.2	<p>Learning experiences:</p> <p>(a) This will be a longitudinal programme spread across the continuum of the MBBS programme including internship,</p> <p>(b) Learning experiences may include – small group discussions, patient care</p>

	<p>scenarios, workshop, seminars, role plays, lectures etc.</p> <p>(c) Attitude, Ethics & Communication Module (AETCOM module) developed by Medical Council of India should be used longitudinally for purposes of instruction.</p>
9.4.3	75% attendance in Professional Development Programme (AETCOM Module) is required for eligibility to appear for final examination in each professional year.
9.4.4	<p>Internal Assessment will include:</p> <p>(a) Written tests comprising of short notes and creative writing experiences,</p> <p>(b) OSCE based clinical scenarios / viva-voce.</p>
9.4.5	At least one question in each paper of the clinical specialties in the University examination should test knowledge competencies acquired during the professional development programme.
9.4.6	Skill competencies acquired during the Professional Development Programme must be tested during the clinical, practical and viva-voce.
9.5	Learner-doctor method of clinical training (Clinical Clerkship)
9.5.1	<p>Goal: To provide learners with experience in:</p> <p>(a) Longitudinal patient care,</p> <p>(b) Being part of the health care team,</p> <p>(c) Hands-on care of patients in out-patient and in-patient setting.</p>
9.5.2	Structure:
	<p>(a) The first clinical posting in second professional shall orient learners to the patient, their roles and the specialty.</p> <p>(b) The learner-doctor programme will progress as outlined in Table9.</p> <p>(c) The learner will function as a part of the health care team with the following responsibilities:</p> <ul style="list-style-type: none"> (i) Be part of the unit's outpatient services on admission days, (ii) Remain with the admission unit until 6 PM except during designated class hours, (iii) Be assigned patients admitted during each admission day for whom he/she will undertake responsibility, under the supervision of a senior resident or faculty member, (iv) Participate in the unit rounds on its admission day and will present the assigned patients to the supervising physician, (v) Follow the patient's progress throughout the hospital stay until discharge, (vi) Participate, under supervision, in procedures, surgeries, deliveries etc. of assigned patients (according to responsibilities outlined in table9), (vii) Participate in unit rounds on atleast one other day of the week excluding the admission day, (viii) Discuss ethical and other humanitarian issues during unit rounds, (ix) Attend all scheduled classes and educational activities,

	<p>(x) Document his/her observations in a prescribed log book / case record.</p> <p>(d) No learner will be given independent charge of the patient</p> <p>(e) The supervising physician will be responsible for all patient care decisions</p>
9.5.3	<p>Assessment:</p> <p>(a) A designated faculty member in each unit will coordinate and facilitate the activities of the learner, monitor progress, provide feedback and review the log book/ case record.</p> <p>(b) The log book/ case record must include the written case record prepared by the learner including relevant investigations, treatment and its rationale, hospital course, family and patient discussions, discharge summary etc.</p> <p>(c) The log book should also include records of outpatients assigned. Submission of the log book/ case record to the department is required for eligibility to appear for the final examination of the subject.</p>

Table 9: Learner - Doctor Programme (Clinical Clerkship)

Year of Curriculum	Focus of Learner – Doctor Programme
Year 1	Introduction to hospital environment, early clinical exposure, understanding perspectives of illness
Year 2	History taking, physical examination, assessment of change in clinical status, communication and patient education
Year 3	All of the above and choice of investigations, basic procedures and continuity of care
Year 4	All of the above and decision making, management and outcomes

CHAPTER V

COMPETENCY BASED CURRICULUM OF THE INDIAN MEDICAL GRADUATE PROGRAMME

10	Specific Competencies
10.1	<p>Preamble: The salient feature of the revision of the medical curriculum in 2019 is the emphasis on learning which is competency-based, integrated and learner-centered acquisition of skills and ethical & humanistic values.</p> <p>Each of the competencies described below must be read in conjunction with the goals of the medical education as listed in items 2 to 3.5.5</p> <p>It is recommended that didactic teaching be restricted to less than one third of the total time allotted for that discipline. Greater emphasis is to be laid on hands-on training, symposia, seminars, small group discussions, problem-oriented and problem-based discussions and self-directed learning. Learners must be</p>

	<p>encouraged to take active part in and shared responsibility for their learning.</p> <p>The global competencies to be achieved by the learner are outlined above in Chapter 1 - section 3. Since the MBBS programme assessment will continue to be subject based, subject specific competencies have been outlined. These have to be acquired by the learner in the corresponding professional year. These competencies must be interpreted in the larger context outlined in section 3 and may be considered as “sub-competencies” of the global competencies.</p>
10.2	Integration must be horizontal (i.e. across disciplines in a given phase of the course) and vertical (across different phases of the course). As far as possible, it is desirable that teaching/learning occurs in each phase through study of organ systems or disease blocks in order to align the learning process. Clinical cases must be used to integrate and link learning across disciplines
10.3	<p>First Professional (Pre-clinical)</p> <p>The curriculum in individual subjects will be made by Committee of Courses and Studies of respective departments. The course curriculum prepared by Committee of Courses and studies of Anatomy, Biochemistry and Physiology are at appendix 2.</p>
10.4	<p>Second Professional (Para-clinical)</p> <p>The curriculum in individual subjects will be made by Committee of Courses and Studies of respective departments</p>
10.5	<p>Third Professional (Part I)</p> <p>The curriculum in individual subjects will be made by Committee of Courses and Studies of respective departments</p>
10.6	<p>Third Professional (Part II)</p> <p>The curriculum in individual subjects will be made by Committee of Courses and Studies of respective departments</p> <p>Note: The curriculum of MBBS Course shall be as per National Medical Commission (NMC) Regulation on Graduate Medical Education Regulation 2019. The syllabus may be decided by the respective committee of courses and studies in their department under Faculty of Medical Sciences from time to time.</p>
10.7	A list of certifiable procedural skills is during internship is given in Table 11.

CHAPTER VI

ASSESSMENT

11	Assessment
11.1	Eligibility to appear for Professional examinations
11.1.1	<p>The performance in essential components of training are to be assessed, based on:</p> <p>(a) Attendance</p> <p>(i) Attendance requirements are 75% in theory and 80% in practical /clinical for eligibility to appear for the examinations in that subject. In subjects that are taught in more than one phase – the learner must have 75% attendance</p>

	<p>in theory and 80% in practical in each phase of instruction in that subject.</p> <p>(ii) If an examination comprises more than one subject (for e.g., General Surgery and allied branches), the candidate must have 75% attendance in each subject and 80% attendance in each clinical posting.</p> <p>(iii) Learners who do not have at least 75% attendance in the electives will not be eligible for the Third Professional - Part II examination.</p> <p>(b) Internal Assessment: Internal assessment shall be based on day-to-day assessment. It shall relate to different ways in which learners participate in learning process including assignments, preparation for seminar, clinical case presentation, preparation of clinical case for discussion, clinical case study/problem solving exercise, participation in project for health care in the community, proficiency in carrying out a practical or a skill in small research project, a written test etc.</p> <ol style="list-style-type: none"> 1. Regular periodic examinations shall be conducted throughout the course. There shall be no less than three internal assessment examinations in each Preclinical / Para clinical subject and no less than two examinations in each clinical subject in a professional year. An end of posting clinical assessment shall be conducted for each clinical posting in each professional year. 2. When subjects are taught in more than one phase, the internal assessment must be done in each phase and must contribute proportionately to final assessment. For example, General Medicine must be assessed in second Professional, third Professional Part I and third Professional Part II, independently. 3. Day to day records and log book (including required skill certifications) should be given importance in internal assessment. Internal assessment should be based on competencies and skills. 4. The final internal assessment in a broad clinical specialty (e.g., Surgery and allied specialties etc.) shall comprise of marks from all the constituent specialties. The proportion of the marks for each constituent specialty shall be determined by the time of instruction allotted to each. 5. Learners must secure at least 50% marks of the total marks (combined in theory and practical / clinical; not less than 40 % marks in theory and practical separately) assigned for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject. Internal Assessment (Theory and Practical Marks) i.e, 20% of total Marks in final exam of each subject will reflect as separate head of passing at summative examination. (Table – 10b) 6. Internal assessment marks Theory and Practical will reflect as separate head of passing at the summative examination. 7. The results of internal assessment should be displayed on the notice board within 1-2 weeks of the test. The remedial measures should be taken at college level for students who are either not able to score qualifying marks or have missed on some assessments due to any reason. 8. Learners must have completed the required certifiable competencies for that phase of training and completed the log book appropriate for that phase of training to be eligible for appearing at the final university
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	examination of that subject.
11.2	University Examinations
11.2.1	University examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimal level of skills, ethical and professional values with clear concepts of the fundamentals which are necessary for him/her to function effectively and appropriately as a physician of first contact. Assessment shall be carried out on an objective basis to the extent possible
11.2.2	Nature of questions will include different types such as structured essays (Long Answer Questions LAQ), Short Answers Questions (SAQ) and objective type questions (e.g. Multiple Choice Questions - MCQ). Marks for each part should be indicated separately. MCQs shall be accorded a weightage of not more than 20% of the total theory marks. In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass.
11.2.3	Practical/clinical examinations will be conducted in the laboratories and /or hospital wards. The objective will be to assess proficiency and skills to conduct experiments, interpret data and form logical conclusion. Clinical cases kept in the examination must be common conditions that the learner may encounter as a physician of first contact in the community. Selection of rare syndromes and disorders as examination cases is to be discouraged. Emphasis should be on candidate's capability to elicit history, demonstrate physical signs, write a case record, analyze the case and develop a management plan.
11.2.4	Viva/oral examination should assess approach to patient management, emergencies, attitudinal, ethical and professional values. Candidate's skill in interpretation of common investigative data, X rays, identification of specimens, ECG, etc. is to be also assessed.
11.2.5	There shall be one main examination in an academic year and a supplementary to be held not later than 90 days after the declaration of the results of the main examination.
11.2.6	A learner shall not be entitled to graduate after 10 years of his/her joining of the first part of the MBBS course.
11.2.7	<p>University Examinations shall be held as under:</p> <p>(a) First Professional</p> <ol style="list-style-type: none"> 1. The first Professional examination shall be held at the end of first Professional training (1+12 months), in the subjects of Human Anatomy, Physiology and Biochemistry. 2. A maximum number of four permissible attempts would be available to clear the first Professional University examination, whereby the first Professional course will have to be cleared within 4 years of admission to the said course. Partial attendance at any University examination shall be counted as an availed attempt. <p>(b) Second Professional</p> <ol style="list-style-type: none"> (i) The second Professional examination shall be held at the end of second

	<p>professional training (11 months), in the subjects of Pathology, Microbiology and Pharmacology.</p> <p>(c) Third Professional</p> <p>(i) Third Professional Part I shall be held at end of third Professional part 1 of training (12 months) in the subjects of Ophthalmology, Otorhinolaryngology, Community Medicine and Forensic Medicine and Toxicology</p> <p>(ii) Third Professional Part II - (Final Professional) examination shall be at the end of training (14 months including 2 months of electives) in the subjects of General Medicine, General Surgery, Obstetrics & Gynecology and Pediatrics. The discipline of Orthopedics, Anesthesiology, Dentistry and Radio-diagnosis will constitute 25% of the total theory marks incorporated as a separate section in paper II of General Surgery.</p> <p>(iii) The discipline of Psychiatry and Dermatology, Venereology and Leprosy (DVL), Respiratory Medicine including Tuberculosis will constitute 25% of the total theory marks in General Medicine incorporated as a separate section in paper II of General Medicine.</p> <p>(d) Examination schedule is in Table 1.</p> <p>(e) Marks distribution is in Table 10.</p>
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Table 10 (a): Marks distribution for various subjects in final examination.

Phase of Course	Written - Theory - Total	Practicals/ Orals/ Clinicals	Pass Criteria
First Professional			<p><u>Internal Assessment</u></p> <p>50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations</p> <p><u>University Examination</u></p> <p>Mandatory 50% marks separately in theory and practical (practical =practical/ clinical +viva)</p>
Human Anatomy - 2 papers	200	100	
Physiology - 2 papers	200	100	
Biochemistry - 2 papers	200	100	
Second Professional			
Pharmacology - 2 Papers	200	100	
Pathology - 2 papers	200	100	
Microbiology - 2 papers	200	100	
Third Professional Part – I			
Forensic Medicine & Toxicology - 1 paper	100	100	
Ophthalmology – 1 paper	100	100	
Otorhinolaryngology – 1 paper	100	100	
Community Medicine - 2 papers	200	100	
Third Professional Part – II			

General Medicine - 2 papers	200	200	
General Surgery - 2 papers	200	200	
Pediatrics – 1 paper	100	100	
Obstetrics & Gynaecology - 2 papers	200	200	

Note: At least one question in each paper of the clinical specialties should test knowledge-competencies acquired during the professional development programme (AETCOM module); Skills competencies acquired during the Professional Development programme (AETCOM module) must be tested during clinical, practical and viva.

In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass in the said subject.

Table 10 (b) INTERNAL ASSESMENT MARKS

First Professional	Theory	Practical
Anatomy	40	20
Physiology	40	20
Biochemistry	40	20
Second Professional		
Pharmacology	40	20
Pathology	40	20
Microbiology	40	20
Third Professional I		
Forensic Medicine	20	20
Ophthalmology	20	20
ENT	20	20
Community Medicine	40	20
Third Professional II		
General Medicine	40	40
General Surgery	40	40
Pediatrics	20	20
Obst. & Gyn.	40	40

Internal Assessment:

50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations

11.2.8	Criteria for passing in a subject: A candidate shall obtain 50% marks in University conducted examination separately in Theory and Practical (practical includes: practical/ clinical and viva voce) in order to be declared as passed in that
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	subject.
11.2.9	<p>Appointment of Examiners</p> <ul style="list-style-type: none"> a) Person appointed as an examiner in the particular subject must have at least four years of total teaching experience as assistant professor after obtaining postgraduate degree in the subject in a college affiliated to a recognized/approved/permitted medical college. b) For the Practical/Clinical examinations, there shall be at least four examiners for 100 learners, out of whom not less than 50% must be external examiners. Of the four examiners, the senior-most internal examiner will act as the Chairman and coordinator of the whole examination programme so that uniformity in the matter of assessment of candidates is maintained. Where candidates appearing are more than 100, two additional examiners (one external & one internal) for every additional 50 or part there of candidates appearing, be appointed. c) In case of non-availability of medical teachers, approved teachers without a medical degree (engaged in the teaching of MBBS students as whole-time teachers in a recognized medical college), may be appointed examiners in their concerned subjects provided they possess requisite doctorate qualifications and four years teaching experience (as assistant professors) of MBBS students. Provided further that the 50% of the examiners (Internal & External) are from the medical qualification stream. d) External examiners may not be from the same University. e) The internal examiner in a subject shall not accept external examinership for a college from which external examiner is appointed in his/her subject. f) A University having more than one college shall have separate sets of examiners for each college, with internal examiners from the concerned college. g) External examiners shall rotate at an interval of 2 years. h) There shall be a Chairman of the Board of paper-setters who shall be an internal examiner and shall moderate the questions. i) All eligible examiners with requisite qualifications and experience can be appointed internal examiners by rotation in their subjects. j) All theory paper assessment should be done as central assessment program (CAP) of concerned university. k) Internal examiners should be appointed from same institution for unitary examination in same institution. For pooled examinations at one centre approved internal examiners from same university may be appointed. l) The grace marks up to a maximum of 5 marks may be awarded at the discretion of the University to a learner for clearing (passing) the examination as a whole (irrespective of the number of subjects) but not for clearing a subject resulting in exemption.

CHAPTER VII

INTERNSHIP

12	<p>INTERNSHIP</p> <p>Internship is a phase of training wherein a graduate will acquire the skills and</p>
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	competencies for practice of medical and health care under supervision so that he/she can be certified for independent medical practice as an Indian Medical Graduate. In order to make trained work force available, it may be considered as a phase of training wherein the graduate is expected to conduct actual practice under the supervision of a trained doctor. The learning methods and modalities have to be done during the MBBS course itself with larger number of hands on session and practice on simulators.
12.1	Goal: The goal of the internship programme is to train medical students to fulfill their roles as doctors of first contact in the community.
12.2.	Objectives: At the end of the internship period, the medical graduate will possess all competencies required of an Indian Medical Graduate, namely:
12.2.1	Independently provide preventive, promotive, curative and palliative care with compassion,
12.2.2	Function as leader and member of the health care team and health system,
12.2.3	Communicate effectively with patients, families, colleagues and the community,
12.2.4	Be certified in diagnostic and therapeutic skills in different disciplines of medicine taught in the undergraduate programme,
12.2.5	Be a lifelong learner committed to continuous improvement of skills and knowledge,
12.2.6	Be a professional committed to excellence and is ethical, responsive and accountable to patients, community and profession.
12.3	Time Distribution
	<p>Community Medicine (Residential posting) : 2 months</p> <p>General Medicine including 15 days of Psychiatry : 2 months</p> <p>General Surgery including 15 days Anaesthesia : 2 months</p> <p>Obstetrics & Gynaecology including Family Welfare Planning : 2 months</p> <p>Pediatrics : 1 month</p> <p>Orthopaedics including PM&R : 1 month</p> <p>Otorhinolaryngology : 15 days</p> <p>Ophthalmology : 15 days</p> <p>Casualty : 15 days</p> <p>Elective posting (1x15 days) : 15 days</p> <p>Subjects for Elective posting will be as follows:</p> <ol style="list-style-type: none"> 1. Dermatology, Venereology & Leprosy 2. Respiratory Medicine 3. Radio diagnosis 4. Forensic Medicine & Toxicology 5. Blood Bank 6. Psychiatry <p>Note: Structure internship with assessment at the end in the college.</p>

12.4	Other details:
12.4.1	The core rotations of the internship shall be done in primary and secondary/ tertiary care institutions in India. In case of any difficulties, the matter may be referred to the Medical Council of India to be considered on individual merit.
12.4.2	Every candidate will be required after passing the final MBBS examination to undergo compulsory rotational internship to the satisfaction of the College authorities and University concerned for a period of 12 months so as to be eligible for the award of the degree of Bachelor of Medicine and Bachelor of Surgery (MBBS) and full registration.
12.4.3	The University shall issue a provisional MBBS pass certificate on passing the final examination.
12.4.4	The State Medical Council will grant provisional registration to the candidate upon production of the provisional MBBS pass certificate. The provisional registration will be for a period of one year. In the event of the shortage or unsatisfactory work, the period of provisional registration and the compulsory rotating internship shall be suitably extended by the appropriate authorities.
12.4.5	The intern shall be entrusted with clinical responsibilities under direct supervision of a designated supervising physician. They shall not work independently.
12.4.6	Interns will not issue medical certificate or death certificate or other medico-legal document under their signature.
12.4.7	Each medical college must ensure that the student gets learning experience in primary/secondary and urban/rural centers in order to provide a diverse learning experience and facilitate the implementation of national health programmes/ priorities. These shall include community and outreach activities, collaboration with rural and urban community health centers, participation in government health missions etc.
12.4.8	One year's approved service in the Armed Forces Medical Services, after passing the final MBBS examination shall be considered as equivalent to the pre-registration training detailed above; such training shall, as far as possible, be at the Base/General Hospital. The training in Community Medicine should fulfill the norms of the National Medical Commission as proposed above.
12.4.9	In recognition of the importance of hands-on experience, full responsibility for patient care and skill acquisition, internship should be increasingly scheduled to utilize clinical facilities available in District Hospital, Taluka Hospital, Community Health Centre and Primary Health Centre, in addition to Teaching Hospital. A critical element of internship will be the acquisition of specific experiences and skill as listed in major areas: provided that where an intern is posted to District/Sub Divisional Hospital for training, there shall be a committee consisting of representatives of the college/University, the State Government and the District administration, who shall regulate the training of such trainee. Provided further that, for such trainee a certificate of satisfactory completion of training shall be obtained from the relevant administrative authorities which shall be countersigned by the Principal/Dean of College.

12.5	Assessment of Internship:
12.5.1	The intern shall maintain a record of work in a log book, which is to be verified and certified by the medical officer under whom he/she works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training.
12.5.2	Based on the record of work and objective assessment at the end of each posting, the Dean/Principal shall issue cumulative certificate of satisfactory completion of training at the end of internship, following which the University shall award the MBBS degree or declare him eligible for it.
12.5.3	Full registration shall only be given by the State Medical Council/National Medical Commission on the award of the MBBS degree by the University or its declaration that the candidate is eligible for it.
12.5.4	Some guidelines for the implementation of the training programme are given in section 12.10, discipline wise
12.6	<p>No Dues</p> <p>To avoid any unnecessary delay in clearance, a signed 'No Dues' Certificate should be taken by the Intern at the end of each posting from the concerned department.</p>
12.7	<p>Repeating Internship</p> <p>An Intern must ordinarily complete his/her Internship during the scheduled period of 1st January to 31st December for Regular Batch and the Supplementary Batch Intern may start internship training after declaration of the Supplementary Examination. Stipulation for repeat posting:</p> <ol style="list-style-type: none"> Unsatisfactory performance. Prolonged illness, Medical Certificate must be validated by a Medical Board set up by the Institution, where rotatory internship is being undertaken. No Hostel accommodation shall be provided for the repeat period. However, in extraordinary circumstances the institute may provide accommodation only if it is available. In the event of repeat posting, the period of provisional registration and compulsory rotating internship may be suitably extended by appropriate authorities.
12.8	<p>Externship</p> <p>Ordinarily rotatory internship must be undertaken in the institution where the student has enrolled. However, a student can do internship in National Medical Commission approved hospital/institution for which the following guidelines may be followed:</p> <p>Externship in India:</p> <ol style="list-style-type: none"> A student must apply for permission to do internship outside Delhi on the annexed proforma alongwith the desired documents. Before considering the student's application to do internship in another hospital/medical college he/she will be required to produce the following documents:

	<ul style="list-style-type: none"> a. Permission from the institutions where the student wishes to do internship b. Certificate from National Medical Commission that the hospital/institution is recognized for undergoing internship training c. Permission from the University of Delhi d. Documentary proof of the reason for doing internship from outside Delhi <ul style="list-style-type: none"> ii) All students intending to do internship outside must submit duly completed application to the concerned authorities at the beginning of the internship programme not later 15th January. However, an exception may be made on merit of the case. iii) Each institution will constitute a committee to recommend such cases. The committee must include the Academic In charge and Registrar Academic of the Institute and Heads of the following Departments: <ul style="list-style-type: none"> (a) Medicine (b) Surgery (c) Obstt. And Gynae. (d) Community Medicine iv) No externship can be for less than two months. v) Rotatory Internship in Community Medicine must be completed within the institution of enrollment. vi) A certificate of satisfactory completion of training should be submitted to the Institution duly signed and stamped by the administrative authorities of the Hospital/District Centre, where the student has undergone externship. vii) Externship in multiple institutes will not be permitted. viii) Externship in India once done in a particular institution/hospital recognized by National Medical Commission is not repeated in parent institution. Only the records of satisfactory completion of training, duly certified by Medical Office alongwith assessment report/evaluation report, meeting the objectives of training are submitted.
12.8.1	<p>Externship outside India:</p> <ul style="list-style-type: none"> i) Externship outside India: "Clerkship/Elective" will be allowed for a period of maximum one month. The period of elective posting combined with 12 days of Casual Leave will give the student a period of approximately one month. ii) "Clerkship/Elective" must include good hands-on experience, student should be allowed to do physical exams, touch the patients besides taking histories, case presentations and lab-result follow ups. No Observer ship will be allowed while availing the externship under any circumstances. iii) The permission for the "Clerkship/Elective" will have to be taken from the University. This would, however, be without any commitments on the part of the University, financial or otherwise. iv) The student will fill up a proforma provided by the Faculty of Medical Sciences which will have to be signed by the Dean of the University where the student wishes to do his/her Clerkship. After completion of the Clerkship the students will have to submit a certificate of satisfactory completion from the institute where Clerkship was done.
12.9	Guidelines for outside candidates wishing to do Internship in medical

	<p>Institutions under University of Delhi</p> <p>The prime responsibility and commitment of the institution is to train its own Undergraduates during their rotatory internship period. However, it has been seen that students from outside apply for rotatory internship training to the medical institutions under University of Delhi.</p> <p>(i) Ordinarily the capacity and infrastructure of the institutions is to train only the number of students that they have enrolled. The students may apply if there is a clear cut vacancy in the institution provided the following certificates / documents are produced:</p> <p>(a) Application of the students giving reasons to do internship and documentary proof thereof.</p> <p>(b) No Objection Certificate from his/her parent institution clearly stating that institution is recognized by National Medical Commission and that during the course of his/her training from admission to his/her passing out, the college was not derecognized by National Medical Commission at any time.</p> <p>(c) Permission of the University to which the above college is affiliated.</p> <p>(ii) Certificate from National Medical Commission that Medical College/Institution where the student is at present studying has been recognized by the National Medical Commission from the year the student was admitted in that institution to the year of his/her passing out.</p> <p>(iii) Certificate of provisional registration by National Medical Commission.</p> <p>(iv) Certificate of good character and conduct of the student from the parent college/institution.</p> <p>(v) Permission of Delhi University.</p> <p>(vi) Permission of concerned State Government.</p> <p>(vii) An undertaking that the student is prepared to do internship without any pay, stipend or honorarium:</p> <p>(a) That he/she would follow the Internship Programme of the University of Delhi.</p> <p>(b) That he/she would maintain good conduct, discipline and decorum of the institution and the authorities of the University have the right to expel him/her on misconduct, indiscipline and unsatisfactory work.</p> <p>How to select: If there is more than one applicant wishing to do internship at the institutions, they will be selected strictly on the basis of merit. While making the list, consideration will be given to all the three/four University Examinations and from the total marks 5% marks deducted for each additional attempt. Candidates who did not avail the chance of University Examination when it was due should not be considered a failure in that subject/s and it should be counted as first attempt and marks should not be deducted. Also, 5% extra marks will be allotted for distinction or medal in any subject.</p> <p>When to apply: All applications of internship alongwith relevant documents should be received between 1st January to 15th April however, permission to do internship should be considered subject to availability of vacancy in the respective colleges.</p>
12.10	INTERNSHIP – GUIDELINES DISCIPLINE RELATED:

12.10.1	<p>COMMUNITYMEDICINE GOAL:</p> <p>The aim of teaching the undergraduate student in Community Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common medical illnesses and recognize the importance of community involvement. He/she shall acquire competence to deal effectively with an individual and the community in the context of primary health care. This is to be achieved by hands-on experience in the District Hospital and Primary Health Centre. The details are as under: -</p> <p>I) District Hospital /Community Health Centre/Attachment to General Practitioner:</p> <p>A. An intern must be able to do without assistance:</p> <ol style="list-style-type: none"> 1. An intern must: <ol style="list-style-type: none"> a) Be able to diagnose common ailments and advise primary care; b) Demonstrate knowledge on 'Essential drugs' and their usage; c) Recognize medical emergencies, resuscitate and institute initial treatment and refer to a suitable institution. 2. An intern must be familiar with all National Health Programmes (e.g. RCH, UIP, CDD, ARI, FP, ANC, Tuberculosis, Leprosy and others), as recommended by the Ministry of Health and Family Welfare. 3. An intern must: <ol style="list-style-type: none"> a) Gain full expertise in immunization against infectious disease; b) Participate in programmes related to prevention and control of locally prevalent endemic diseases including nutritional disorders; c) Learn skills in family welfare planning procedures; 4. An intern must: <ol style="list-style-type: none"> a) Conduct programmes on health education, b) Gain capabilities to use Audio-visual aids, c) Acquire capability of utilization of scientific information for promotion of community health <p>B. An intern must have observed or preferably assisted at the following:</p> <ol style="list-style-type: none"> 1. An intern should be capable of establishing linkages with other agencies as water supply, food distribution and other environmental/social agencies. 2. An intern should acquire managerial skills including delegation of duties to and monitoring the activities of paramedical staff and other health professionals. <p>II) Taluka Hospital/ First Referral Unit</p> <p>A. An intern must be able to do without assistance:</p> <ol style="list-style-type: none"> 1. An intern shall provide health education to an individual/community on: <ol style="list-style-type: none"> a) tuberculosis, b) small family, spacing, use of appropriate contraceptives,
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	<p>c) applied nutrition and care of mothers and children, d) immunization.</p> <p>B. An intern must be able to do with supervision:</p> <p>An intern shall attend at least one school health programme with the medical officer.</p> <p>III) Primary Health Centre / Urban Health Centre</p> <p>A. An intern must be able to do without assistance the following:</p> <ol style="list-style-type: none"> Participate in family composite health care (birth to death), inventory of events. Participate in use of the modules on field practice for community health e.g. safe motherhood, nutrition surveillance and rehabilitation, diarrheal disorders etc. Participate in and maintain documents related to immunization and cold chain. Acquire competence in diagnosis and management of common ailments e.g. malaria, tuberculosis, enteric fever, congestive heart failure, hepatitis, meningitis acute renal failure etc. <p>B. An intern must be able to do under supervision the following:</p> <ol style="list-style-type: none"> Acquire proficiency in Family Welfare Programmes (antenatal care, normal delivery, contraception etc.). Undergo village attachment of at least one week duration to understand issues of community health alongwith exposure to village health centres, ASHA Sub Centres. Participate in Infectious Diseases Surveillance and Epidemic Management activities along with the medical officer.
12.10.2	<p>GENERAL MEDICINE GOAL:</p> <p>The aim of teaching the undergraduate student in General Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common medical illnesses. He/she shall acquire competence in clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, nutritional disorders, including dehydration and electrolyte disturbances) and various system illnesses.</p> <p>1. An intern must be able to do without assistance and interpret the results of:</p> <p>(a) The following laboratory investigations:</p> <ol style="list-style-type: none"> Blood : (Routine haematology smear and blood groups) Urine : (Routine chemical and microscopic examination) Stool : (for ova/cyst and occult blood) Sputum and throat swab for gram stain or acid-fast stain and Cerebrospinal Fluid (CSF) for smear Electrocardiogram (ECG) Glucometer recording of blood sugar

	<p>viii) Routine radiographs of chest, abdomen, skull etc.</p> <p>(b) Perform independently the following</p> <p>i) Diagnostic procedures: Proctoscopy Ophthalmoscopy / Otoscopy Indirect laryngoscopy</p> <p>ii) Therapeutic procedures: Urethral catheterization Insertion of Ryle's Tube, Pleural Ascitic fluid aspiration Cerebrospinal Fluid (CSF) aspiration Air way tube installation Oxygen administration etc.</p> <p>2. An intern must have observed or preferably assisted at the following operations/procedures:</p> <p>(i) Biopsy Procedures: Liver, Kidney, Skin, Nerve, Lymph node, and muscle biopsy, Bone marrow aspiration, Biopsy of Malignant lesions on surface, nasal/nerve/skin smear for leprosy under supervision.</p> <p>(ii) Skills that an intern should be able to perform under supervision:</p> <p>a) An intern should be familiar with lifesaving procedures, including use of aspirator, respirator and defibrillator, cardiac monitor, blood gas analyser.</p> <p>b) An intern should be able to advise about management and prognosis of acute & chronic illnesses like viral fever, gastroenteritis, hepatitis, pneumonias, myocardial infarction and angina, TIA and stroke, seizures, diabetes mellitus, hypertension renal and hepatic failure, thyroid disorders and hematological disorders. He should participate in counseling sessions for patients with non-communicable diseases and tuberculosis, HIV patients etc.</p> <p>c) Intern should be able to confirm death and demonstrate understanding of World Health Organisation cause of death reporting and data quality requirements.</p> <p>d) Intern should be able to demonstrate understanding of the coordination with local and national epidemic management plans.</p> <p>e) Intern shall be able to demonstrate prescribing skills and demonstrate awareness of pharma co-vigilance, antibiotics policy, prescription audit and concept of essential medicines list.</p>
12.10.3	<p>PEDIATRICS:</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in Pediatrics is to impart such knowledge and skills that may enable him to diagnose and treat common childhood illnesses including neonatal disorders. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, nutritional disorders, including dehydration and electrolyte disturbances) and various system illnesses.</p> <p>A. An intern must be able to do without assistance:</p> <p>An intern shall be able to diagnose and manage common childhood disorders including neonatal disorders and acute emergencies, examining</p>

	<p>sick child making a record of information.</p> <p>An intern shall perform:</p> <ol style="list-style-type: none"> diagnostic techniques: blood collection (including from femoral vein and umbilical cord), drainage of abscess, collection of cerebrospinal, pleural and peritoneal fluids, suprapubic aspiration of urine. techniques related to patient care: immunization, perfusion techniques, nasogastric tube insertion, feeding procedures, tuberculin testing & breast-feeding counseling. use of equipments: vital monitoring, temperature monitoring, resuscitation at birth and care of children receiving intensive care. institute early management of common childhood disorders with special reference to pediatric dosage and oral rehydration therapy. <p>B. An intern must have observed or preferably assisted at the following operations/procedures:</p> <ol style="list-style-type: none"> screening of newborn babies and those with risk factors for any anomalies and steps for prevention in future; detect congenital abnormalities; recognize growth abnormalities; recognize anomalies of psychomotor development; assess nutritional and dietary status of infants and children and organize prevention, detection and follow up of deficiency disorders both at individual and community levels, such as: <ul style="list-style-type: none"> protein-energy malnutrition deficiencies of vitamins especially A, B, C and D; Iron deficiency <p>C. Skills that an intern should be able to perform under supervision:</p> <ol style="list-style-type: none"> An intern should be familiar with life-saving procedures, including use of aspirator, respirator, cardiac monitor, blood gas analyser. An intern should be able to advise about management and prognosis of acute & chronic illnesses like viral fever, gastroenteritis, hepatitis, pneumonias, congenital heart diseases, seizures, renal and hepatic diseases, thyroid disorders and hematological disorders. She/he should participate in counseling sessions with parents including HIV counseling.
12.10.4	<p>GENERAL SURGEY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in General Surgery is to impart such knowledge and skills that may enable him to diagnose and treat common surgical ailments. He/she shall have ability to diagnose and suspect with reasonable accuracy all acute and chronic surgical illnesses.</p> <p>(A) THERAPEUTIC - An intern must perform or assist in:</p> <ol style="list-style-type: none"> venesection or venous access tracheostomy and endotracheal intubation catheterization of patients with acute retention or trocar cystostomy drainage of superficial abscesses basic suturing of wound and wound management (including bandaging)

	<ul style="list-style-type: none"> f) biopsy of surface tumours g) perform vasectomy <p>(B) Skill that an intern should be able to perform under supervision:</p> <ul style="list-style-type: none"> a) Advise about prognosis of acute & chronic surgical illnesses, head injury, trauma, burns and cancer. Counsel patients regarding the same. b) Advise about rehabilitation of patients after surgery and assist them for early recovery. c) Intern should be able to demonstrate understanding of World Health Organization cause of death reporting and data quality requirements. d) Intern should be able to demonstrate understanding of the use of national and sub-national cause of death statistics. <p>(C) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ul style="list-style-type: none"> a) Resuscitation of critical patients b) Basic surgical procedures for major and minor surgical illnesses c) Wound dressings and application of splints d) Laparoscopic/ Minimally Invasive surgery e) Lymph node biopsy
12.10.5	<p>CASUALTY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in casualty is to impart such knowledge and skills that may enable him/her to diagnose and treat common acute surgical /medical ailments. He/she shall have ability to diagnose and suspect, with reasonable accuracy, acute surgical illnesses including emergencies, resuscitate critically injured patient and a severely burned patient, control surface bleeding and manage open wounds and monitor and institute first-line management of patients of head, spine, chest, abdominal and pelvic injury as well as acute abdomen.</p> <p>(A) THERAPEUTIC- An intern must perform or assist in:</p> <ul style="list-style-type: none"> a) Identification of acute emergencies in various disciplines of medical practice, b) Management of acute anaphylactic shock, c) Management of peripheral-vascular failure and shock, d) Management of acute pulmonary edema and Left Ventricular Failure(LVF), e) Emergency management of drowning, poisoning and seizure, f) Emergency management of bronchial asthma and status asthmaticus, g) Emergency management of hyperpyrexia, h) Emergency management of comatose patients regarding airways, positioning, prevention of aspiration and injuries, i) Assessment and administering emergency management of burns, j) Assessing and implementing emergency management of various trauma victims,

	<p>k) Identification of medico-legal cases and learn filling up of forms as well as complete other medico-legal formalities in cases of injury, poisoning, sexual offenses, intoxication and other unnatural conditions.</p> <p>(B) Skill that an intern should be able to perform under supervision:</p> <p>a) Advise about prognosis of acute surgical illnesses, head injury, trauma and burns. Counsel patients regarding the same.</p> <p>(C) An intern must have observed or preferably assisted at the following operations/procedures:</p> <p>a) Resuscitation of critical patients b) documentation medico legal cases c) management of bleeding and application of splints;</p>
12.10.6	<p>OBSTETRICS AND GYNAECOLOGY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in Obstetrics & Gynaecology is to impart such knowledge and skills that may enable him to diagnose and manage antenatal and post-natal follow up; manage labor and detect intrapartum emergencies; diagnose and treat common gynaecologic ailments.</p> <p>(A) THERAPEUTIC-An intern must perform or assist in:</p> <p>a) Diagnosis of early pregnancy and provision of ante-natal care; ante natal pelvic assessment and detection of cephalo pelvic disproportion,</p> <p>b) Diagnosis of pathology of pregnancy related to:</p> <ul style="list-style-type: none"> • abortion • ectopic pregnancy • tumours complicating pregnancy • acute abdomen in early pregnancy • hyper emesis gravid arum, <p>c) Detection of high-risk pregnancy cases and give suitable advice e.g. PIH, hydramanios, antepartum haemorrhage, multiple pregnancies, abnormal presentations and intra-uterine growth retardation,</p> <p>d) Induction of labor and amniotomy under supervision,</p> <p>e) Induction of labor and amniotomy under supervision,</p> <p>f) Management of normal labor, detection of abnormalities, post partum hemorrhage and repair of perennial tears,</p> <p>g) Assist in forceps delivery,</p> <p>h) Detection and management of abnormalities of lactation,</p> <p>i) Evaluation and prescription oral contraceptives with counseling,</p> <p>j) Perspeculum, pervaginum and perrectal examination for detection of common congenital, inflammatory, neoplastic and traumatic conditions of vulva, vagina, uterus and ovaries,</p> <p>k) Medico-legal examination in Gynecology and Obstetrics.</p> <p>(B) Skills that an intern should be able to perform under supervision:</p> <p>a) Dilatation and curettage and fractional curettage,</p> <p>b) Endometrialbiopsy,</p>

	<ul style="list-style-type: none"> c) Endometrial aspiration, d) Pap smear collection, e) Intra Uterine Contraceptive Device (IUCD) insertion, f) Minilapligation, g) Urethral catheterization, h) Suture removal in postoperative cases, i) Cervical punch biopsy. <p>(C) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ul style="list-style-type: none"> a) Major abdominal and vaginal surgery cases, b) Second trimester Medical Termination of Pregnancy (MTP) procedures e.g., Emcredyl Prostaglandin instillations, Caesarean section.
12.10.7	<p>OTORHINOLARYNGOLOGY (ENT)</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in ophthalmology is to impart such knowledge and skills that may enable him to diagnose and treat common otorhinolaryngological conditions such as ear pain, foreign bodies and acquire ability for a comprehensive diagnosis of common Ear, Nose and Throat (ENT) diseases including emergencies and malignant neoplasms of the head and neck.</p> <p>(A) THERAPEUTIC- An intern must perform or assist in:</p> <ul style="list-style-type: none"> a) Ear syringing, antrum puncture and packing of the nose for epistaxis, b) Nasal douching and packing of the external canal, c) Removing foreign bodies from nose and ear, d) Observing or assisting in various endoscopic procedures and tracheostomy. <p>(B) Skill that an intern should be able to perform under supervision:</p> <ul style="list-style-type: none"> a) Intern shall have participated as a team member in the diagnosis of various ENT- related diseases and be aware of National programme on prevention of deafness, b) Intern shall acquire knowledge of various ENT related rehabilitative programmes. <p>(C) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ul style="list-style-type: none"> a) Intern shall acquire skills in the use of head mirror, otoscope and indirect laryngoscopy and first line of management of common Ear Nose and Throat (ENT) problems
12.10.8	<p>OPHTHALMOLOGY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in ophthalmology is to impart such knowledge and skills that may enable him to diagnose and treat common ophthalmological conditions such as Trauma, Acute conjunctivitis, allergic conjunctivitis, xerosis, entropion, corneal ulcer, iridocyclitis, myopia, hypermetropia, cataract, glaucoma, ocular injury and sudden loss of vision.</p>

	<p>(A) THERAPEUTIC- An intern must perform or assist in:</p> <ul style="list-style-type: none"> a) Subconjunctival injection b) Ocular bandaging c) Removal of concretions d) Epilation and electrolysis e) Corneal foreign body removal f) Cauterization of corneal ulcers g) Chalazion removal h) Entropion correction i) Suturing conjunctival tears j) Lids repair k) Glaucoma surgery(assisted) l) Enucleation of eye in cadaver. <p>(B) Skill that an intern should be able to perform under supervision:</p> <p>Advise regarding methods for rehabilitation of the blind.</p> <p>(C) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ul style="list-style-type: none"> a) Assessment of refractive errors and advise its correction, b) Diagnose ocular changes in common systemic disorders, c) Perform investigative procedures such as tonometry, syringing, direct ophthalmoscopy, subjective refraction and fluorescein staining of cornea.
12.10.9	<p>ORTHOPAEDICS GOAL:</p> <p>The aim of teaching the undergraduate student in Orthopaedics and Physical Medicine and Rehabilitation is to impart such knowledge and skills that may enable him to diagnose and treat common ailments. He/she shall have ability to diagnose and suspect presence of fracture, dislocation, actual osteomyelitis, acute poliomyelitis and common congenital deformities such as congenital talipesequinovarus (CTEV) and dislocation of hip (CDH).</p> <p>(A) THERAPEUTIC- An intern must assist in:</p> <ul style="list-style-type: none"> a) Splinting (plaster slab) for the purpose of emergency splintage, definitive splintage and post- operative splintage and application of Thomassplint, b) Manual reduction of common fractures – phalangeal, metacarpal, metatarsal and Colles' fracture, c) Manual reduction of common dislocations – interphalangeal, metacarpophalangeal, elbow and shoulder dislocations, d) Plaster cast application for undisplaced fractures of arm, fore arm, leg and ankle, e) Emergency care of a multiple injury patient, f) Transport and bed care of spinal cord injury patients. <p>(B) Skill that an intern should be able to perform under supervision:</p> <ul style="list-style-type: none"> a) Advise about prognosis of poliomyelitis, cerebral palsy, CTEV and CDH,

	<p>b) Advise about rehabilitation of amputees and mutilating traumatic and leprosy deformities of hand.</p> <p>(C) An intern must have observed or preferably assisted at the following operations:</p> <ul style="list-style-type: none"> a) Drainage for acute osteomyelitis, b) Sequestrectomy in chronic osteomyelitis, c) Application of external fixation, d) Internal fixation of fractures of long bones.
12.10.10	<p>DERMATOLOGY VENEREOLOGY & LEPROSY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in Dermatology Venereology & Leprosy is to impart such knowledge and skills that may enable him to diagnose and treat common dermatological infections and leprosy. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management; this would include diseases common in tropics (parasitic, bacterial or viral infections, and cutaneous manifestations of systemic illnesses.</p> <p>(A) THERAPEUTIC- At the end of internship an intern must be able to:</p> <ul style="list-style-type: none"> a) Conduct proper clinical examination; elicit and interpret physical findings, and diagnose common disorders and emergencies, b) Perform simple, routine investigative procedures for making bedside diagnosis, specially the examination of scraping for fungus, preparation of slit smears and staining for AFB for leprosy patient and for STD cases, c) Manage common diseases recognizing the need for referral for specialized care in case of inappropriateness of therapeutic response. <p>(B) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ul style="list-style-type: none"> a) Skin biopsy for diagnostic purpose
12.10.11	<p>PSYCHIATRY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in Psychiatry is to impart such knowledge and skills that may enable him to diagnose and treat common psychiatric illnesses. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management. He/she should also be able to recognize the behavioural manifestations of systemic illnesses.</p> <p>(A) THERAPEUTIC- An intern must perform or assist in:</p> <ul style="list-style-type: none"> a) Diagnose and manage common psychiatric disorders, b) Identify and manage psychological reactions, c) Diagnose and manage behavioural disorders in medical and surgical patients.

	<p>(B) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ul style="list-style-type: none"> a) ECT administration, b) Therapeutic counseling and follow-up.
12.10.12	<p>RESPIRATORY MEDICINE</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in Respiratory Medicine is to impart such knowledge and skills that may enable him to diagnose and treat common respiratory illnesses. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management.</p> <p>(A) THERAPEUTIC - An intern must perform or assist in:</p> <ul style="list-style-type: none"> a) diagnosing and managing common respiratory disorders and emergencies, b) simple, routine investigative procedures required for making bed side diagnosis, especially sputum collection, examination for etiological organism like AFB, interpretation of chest X-rays and respiratory function tests, c) interpreting and managing various blood gases and pH abnormalities in various illnesses. <p>(B) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ul style="list-style-type: none"> a) Laryngoscopy, b) Pleural aspiration, respiratory physiotherapy, laryngeal intubation and pneumo-thoracic drainage aspiration, c) Therapeutic counseling and follow up.
12.10.13	<p>ANAESTHESIOLOGY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in anaesthesia is to impart such knowledge and skills that may enable him to understand principles of anaesthesia and recognize risk and complications of anaesthesia. At the end of internship, graduate should be able to perform cardio-pulmonary resuscitation correctly, including recognition of cardiac arrest.</p> <p>(A) THERAPEUTIC- An intern must perform or assist in:</p> <ul style="list-style-type: none"> a) Pre-anaesthetic checkup and prescribe pre-anaesthetic medications, b) Venepuncture and set up intravenous drip, c) Laryngoscopy and endotracheal intubation, d) Lumbar puncture, spinal anaesthesia and simple nerve blocks, e) Simple general anaesthetic procedures under supervision, f) Monitor patients during anaesthesia and in the post-operative period, g) Maintain anaesthetic records, h) Perform cardio-pulmonary resuscitation correctly, including recognition

	<p>of cardiac arrest.</p> <p>(B) Skill that an intern should be able to perform under supervision:</p> <ol style="list-style-type: none"> Counseling and advise regarding various methods of anaesthesia, Recognize and manage problems associated with emergency anaesthesia, Recognize and treat complications in the post-operative period. <p>(C) An intern must have observed or preferably assisted at the following operations/procedures:</p> <ol style="list-style-type: none"> Anaesthesia for major and minor surgical and other procedures;
12.10.14	<p>RADIODIAGNOSIS</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in radio-diagnosis is to impart such knowledge and skills that may enable him to understand principles of imageology and recognize risk and complications of radiologic procedures and the need for protective techniques. At the end of internship, graduate should be able to counsel and prepare patients for various radiologic procedures.</p> <p>An intern must acquire competency in:</p> <ol style="list-style-type: none"> Identifying and diagnosing acute abdominal conditions clinically and choose appropriate imaging modality for diagnosis, Identifying and diagnosing acute traumatic conditions in bones and skull using X rays / CT scans with emphasis on fractures and head injuries, Recognizing basic hazards and precautions in radio-diagnostic practices specially related to pregnancy, Demonstrating awareness of the various laws like PC PNDT Act.
12.10.15	<p>PHYSICAL MEDICINE AND REHABILITATION</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in Physical Medicine & Rehabilitation is to impart such knowledge and skills that may enable him to diagnose and treat common rheumatologic, orthopedic and neurologic illnesses requiring physical treatment. He/she shall acquire competence for clinical diagnosis based on history, physical examination and relevant laboratory investigations and institute appropriate line of management.</p> <p>(A) A THERAPEUTIC- An intern must perform or assist in:</p> <ol style="list-style-type: none"> Diagnosing and managing with competence clinical diagnosis and management based on detailed history and assessment of common disabling conditions like poliomyelitis, cerebral palsy, hemiplegia, paraplegia, amputations etc. Participation as a team member in total rehabilitation including appropriate follow up of common disabling conditions, Procedures of fabrication and repair of artificial limbs and appliances. <p>(B) An intern must have observed or preferably assisted at the following</p>

	<p>operations/procedures:</p> <ol style="list-style-type: none"> Use of self-help devices and splints and mobility aids Accessibility problems and home making for disabled simple exercise therapy in common conditions like prevention of deformity in polio, stump exercise in an amputee etc. Therapeutic counselling and follow up
12.10.16	<p>FORENSIC MEDICINE AND TOXICOLOGY</p> <p>GOAL:</p> <p>The aim of teaching the undergraduate student in Forensic Medicine is to impart such knowledge and skills that may enable him to manage common medico-legal problems in day to day practice. He/she shall acquire competence for post mortem diagnosis based on history, physical examination and relevant observations during autopsy.</p> <p>(A) An intern must perform or assist in:</p> <ol style="list-style-type: none"> Identifying and documenting medico-legal problems in a hospital and general practice, Identifying the medico-legal responsibilities of a medical man in various hospital situations, Diagnosing and managing with competence basic poisoning conditions in the community, Diagnosing and managing with competence and documentation in cases of sexual assault, Preparing medico-legal reports in various medico legal situations. <p>(B) An intern must have observed or preferably assisted at the following operations/ procedures, as given in Table 11:</p> <ol style="list-style-type: none"> Various medico legal / post-mortem procedures and formalities during their performance by police.

Table 11: Certifiable Procedural Skills:

A Comprehensive list of skills recommended as desirable for Bachelor of Medicine and Bachelor of Surgery (MBBS) – Indian Medical Graduate

Specialty	Procedure
General Medicine	<ul style="list-style-type: none"> Venipuncture(I) Intramuscular injection(I) Intradermal injection(D) Subcutaneousinjection(I) Intra Venous (IV) injection(I) Setting up IV infusion and calculating drip rate(I) Blood transfusion (O) Urinary catheterization(D) Basic life support(D) Oxygen therapy(I)

	<ul style="list-style-type: none"> • Aerosol therapy / nebulization(I) • Ryle's tube insertion(D) • Lumbar puncture(O) • Pleural and ascitic aspiration(O) • Cardiac resuscitation(D) • Peripheral blood smear interpretation(I) • Bedside urine analysis(D)
General Surgery	<ul style="list-style-type: none"> • Basic suturing(I) • Basic wound care(I)
	<ul style="list-style-type: none"> • Basic bandaging(I) • Incision and drainage of superficial abscess(I) • Early management of trauma (I) and trauma life support(D)
Orthopedics	<ul style="list-style-type: none"> • Application of basic splints and slings(I) • Basic fracture and dislocation management(O) • Compression bandage(I)
Gynecology	<ul style="list-style-type: none"> • Per Speculum (PS) and Per Vaginal (PV) examination(I) • Visual Inspection of Cervix with Acetic Acid (VIA)(O) • Pap Smear sample collection & interpretation(I) • Intra- Uterine Contraceptive Device (IUCD) insertion & removal(I)
Obstetrics	<ul style="list-style-type: none"> • Obstetric examination(I) • Episiotomy(I) • Normal labor and delivery (including partogram)(I)
Pediatrics	<ul style="list-style-type: none"> • Neonatal resuscitation(D) • Setting up Pediatric IV infusion and calculating drip rate(I) • Setting up Pediatric Intraosseous line(O)
Forensic Medicine	<ul style="list-style-type: none"> • Documentation and certification of trauma(I) • Diagnosis and certification of death(D) • Legal documentation related to emergency cases(D) • Certification of medical-legal cases e.g. Age estimation, sexual assault etc.(D) • Establishing communication in medico-legal cases with police, public health authorities, other concerned departments, etc. (D)
Otorhinolaryngology	<ul style="list-style-type: none"> • Anterior nasal packing (D) • Otoscopy(I)
Ophthalmology	<ul style="list-style-type: none"> • Visual acuity testing(I) • Digital tonometry(D) • Indirect ophthalmoscopy(O) • Epilation(O) • Eye irrigation(I) • Instillation of eye medication(I) • Ocular bandaging(I)

Dermatology	<ul style="list-style-type: none"> • Slit skin smear for leprosy(O) • Skin biopsy(O) • Gram's stained smear interpretation(I) • KOH examination of scrapings for fungus(D) • Dark ground illumination (O) • Tissue smear(O) • Cautery - Chemical and electrical(O)
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I-Independently performed on patients, O- Observed in patients or on simulations, D- Demonstration on patients or simulations and performance under supervision in patients

Certification of Skills: Any faculty member of concerned department can certify skills. For common procedures, the certifying faculty may be decided locally.

13. Amendment to Ordinance V (2) & VII. [E.C Res. 15-6 dated 31.08.2021]

Following is inserted:

Course (Topics, Theory Practical, Laboratory Clinical)

GENERAL ANATOMY

S. No.	Topic	Competency	Theory / Practical/Laboratory/ Clinical
1.	Anatomical terminology	AN1.1 Demonstrate normal anatomical position, various planes, relation, comparison, laterality & movement in our body	Theory / Practical
2.	General features of Bones & Joints	AN1.2 Describe composition of bone and bone marrow AN2.1 Describe parts, blood and nerve supply of a long bone AN2.2 Enumerate laws of ossification AN2.3 Enumerate special features of a sesamoid bone AN2.4 Describe various types of cartilage with its structure & distribution in body AN2.5 Describe various joints with subtypes and examples AN2.6 Explain the concept of nerve supply of joints & Hilton's law	Theory / Practical/ Laboratory / Clinical

3.	General features of Muscle	<p>AN3.1 Classify muscle tissue according to structure & action</p> <p>AN3.2 Enumerate parts of skeletal muscle and differentiate between tendon & aponeurosis with example</p> <p>AN3.3 Explain Shunt and spurt muscles</p>	Theory / Practical/ Laboratory / Clinical
4.	General features of skin and fascia	<p>AN4.1 Describe different types of skin & dermatomes in body</p> <p>AN4.2 Describe structure & function of skin with its appendages</p> <p>AN4.3 Describe superficial fascia along with fat distribution in body</p> <p>AN 4.4 Describe modifications of deep fascia with its functions</p> <p>AN4.5 Explain principles of skin incisions</p>	Theory / Practical/ Laboratory / Clinical
5.	General features of the cardiovascular system	<p>AN5.1 Differentiate between blood vascular and lymphatic system</p> <p>AN5.2 Differentiate between pulmonary and systemic circulation</p> <p>AN5.3 List general differences between arteries & veins</p> <p>AN5.4 Explain functional difference between elastic, muscular arteries and arterioles</p> <p>AN5.5 Describe portal system giving examples</p> <p>AN5.6 Describe the concept of anastomoses and collateral circulation with significance of end-arteries</p> <p>AN5.7 Explain function of meta-arterioles, precapillary sphincters, arterio-venous anastomoses</p> <p>AN5.8 Define thrombosis, infarction and aneurysm</p>	Theory / Practical/ Laboratory / Clinical
6.	General Features of lymphatic system	<p>AN6.1 List the components and functions of the lymphatic system</p> <p>AN6.2 Describe structure of lymph capillaries & mechanism of lymph circulation</p> <p>AN6.3 Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system</p>	Theory / Practical/ Laboratory / Clinical

7.	Introduction to the nervous system	<p>AN7.1 Describe general plan of nervous system with components of central peripheral & autonomic nervous systems</p> <p>AN7.2 List components of nervous tissue and their functions</p> <p>AN7.3 Describe parts of a neuron and classify them based on number of neurites, size & function</p> <p>AN7.4 Describe structure of a typical spinal nerve</p> <p>AN7.5 Describe principles of sensory and motor innervation of muscles</p> <p>AN7.6 Describe concept of loss of innervation of a muscle with its applied anatomy</p> <p>AN7.7 Describe various type of synapse</p> <p>AN7.8 Describe differences between sympathetic and spinal ganglia</p>	Theory / Practical/ Laboratory / Clinical
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GENERAL HISTOLOGY

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
1.	Epithelium histology	<p>AN65.1 Identify epithelium under the microscope & describe the various types that correlate to its function</p> <p>AN65.2 Describe the ultrastructure of epithelium</p>	Theory / Practical/Laboratory/ Clinical
2.	Glands	AN70.1 Identify exocrine gland under the microscope & distinguish between serous, mucous and mixed acini	Theory / Practical/Laboratory/ Clinical
3.	Connective tissue	<p>AN66.1 Describe & identify various types of connective tissue with functional Correlation</p> <p>AN66.2 Describe the ultrastructure of connective tissue</p>	Theory / Practical/Laboratory/ Clinical
4.	Cartilage	AN71.2 Identify cartilage under the microscope & describe various types and structure function correlation of the same	Theory / Practical/Laboratory/ Clinical
5.	Bone	AN71.1 Identify bone under the microscope; classify various types	Theory / Practical/Laboratory/

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
		and describe the structure-function correlation of the same	Clinical
6.	Muscle	AN67.1 Describe & identify various types of muscle under the microscope AN67.2 Classify muscle and describe the structure-function correlation of the Same AN67.3 Describe the ultrastructure of muscular tissue	Theory / Practical/Laboratory/ Clinical
7.	Cardiovascular system	AN 69.1 Identify elastic & muscular blood vessels, capillaries under the Microscope AN 69.2 Describe the various types and structure-function correlation of blood Vessel AN 69.3 Describe the ultrastructure of blood vessels	Theory / Practical/Laboratory/ Clinical
8.	Lymphoid tissue	AN 70.2 Identify the lymphoid tissue under the microscope & describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function	Theory / Practical/Laboratory/ Clinical
9.	Nervous tissue	AN68.1 Describe & Identify multipolar & unipolar neuron, ganglia, peripheral nerve AN68.2 Describe the structure-function correlation of neuron AN68.3 Describe the ultrastructure of nervous tissue	Theory / Practical/Laboratory/ Clinical
10.	Integumentary System	AN 72.1 Identify the skin and its appendages under the microscope and correlate the structure with function	Theory / Practical/Laboratory/ Clinical

GENERAL EMBRYOLOGY & ETHICS

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
1.	Introduction to embryology	AN76.1 Describe the stages of human life AN76.2 Explain the terms- phylogeny, ontogeny, trimester, viability	Theory / Practical/Laboratory/ Clinical
2.	Gametogenesis and fertilization	AN77.1 Describe the uterine changes occurring during the menstrual cycle AN77.2 Describe the synchrony between the ovarian and menstrual cycles AN77.3 Describe spermatogenesis and oogenesis along with diagrams AN77.4 Describe the stages and consequences of fertilisation AN77.5 Enumerate and describe the anatomical principles underlying Contraception AN77.6 Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of "sex-ratio".	Theory / Practical/Laboratory/ Clinical
3.	Second week of development	AN78.1 Describe cleavage and formation of blastocyst AN78.2 Describe the development of trophoblast AN78.3 Describe the process of implantation & common abnormal sites of implantation AN78.4 Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate AN78.5 Describe in brief abortion; decidual reaction, pregnancy test	Theory / Practical/Laboratory/ Clinical
4.	3rd to 8th week of development	AN79.1 Describe the formation & fate of the primitive streak AN79.2 Describe formation & fate of notochord AN79.3 Describe the process of neurulation AN79.4 Describe the development of	Theory / Practical/Laboratory/ Clinical

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
		<p>somites and intra-embryonic coelom</p> <p>AN79.5 Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects</p> <p>AN79.6 Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein</p>	
5.	Fetal membranes	<p>AN80.1 Describe formation, functions & fate of-chorion: amnion; yolk sac; allantois & decidua</p> <p>AN80.2 Describe formation & structure of umbilical cord</p> <p>AN80.3 Describe formation of placenta, its physiological functions, foetomaternal circulation & placental barrier</p> <p>AN80.4 Describe embryological basis of twinning in monozygotic & dizygotic twins</p> <p>AN80.5 Describe role of placental hormones in uterine growth & parturition</p> <p>AN80.6 Explain embryological basis of estimation of fetal age.</p> <p>AN80.7 Describe various types of umbilical cord attachments</p>	Theory / Practical/Laboratory/ Clinical
6.	Prenatal Diagnosis	<p>AN81.1 Describe various methods of prenatal diagnosis</p> <p>AN81.2 Describe indications, process and disadvantages of amniocentesis</p> <p>AN81.3 Describe indications, process and disadvantages of chorion villus biopsy</p>	Theory / Practical/Laboratory/ Clinical
7.	Ethics in laboratory	AN 82.1 Demonstrate respect and follow the correct procedure when handling cadavers and other biologic tissue	

GENETICS

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
1.	Chromosomes	AN73.1 Describe the structure of chromosomes with classification AN73.2 Describe technique of karyotyping with its applications AN73.3 Describe the Lyon's hypothesis	Theory / Practical/Laboratory/ Clinical
2.	Patterns of Inheritance	AN74.1 Describe the various modes of inheritance with examples AN74.2 Draw pedigree charts for the various types of inheritance & give examples of diseases of each mode of inheritance AN74.3 Describe multifactorial inheritance with examples AN74.4 Describe the genetic basis & clinical features of Achondroplasia, Cystic Fibrosis, Vitamin D resistant rickets, Haemophilia, Duchene's muscular dystrophy & Sickle cell anaemia	Theory / Practical/Laboratory/ Clinical
3.	Principle of Genetics, Chromosomal Aberrations & Clinical Genetics	AN75.1 Describe the structural and numerical chromosomal aberrations AN75.2 Explain the terms mosaics and chimeras with example AN75.3 Describe the genetic basis & clinical features of Prader Willi syndrome, Edward syndrome & Patau syndrome AN75.4 Describe genetic basis of variation: polymorphism and mutation AN75.5 Describe the principles of genetic counselling	Theory / Practical/Laboratory/ Clinical

SYSTEMIC ANATOMY, HISTOLOGY & EMBRYOLOGY UPPER LIMB

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
1.	Individual bone	AN8.1 Identify the given bone, its side, important features & keep it in anatomical Position AN8.2 Identify & describe joints formed by the	Practical/Laboratory/ Clinical

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
		<p>given bone</p> <p>AN8.3 Enumerate peculiarities of clavicle</p> <p>AN8.4 Demonstrate important muscle attachment on the given bone</p> <p>AN8.5 Identify and name various bones in articulated hand, Specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform</p> <p>AN8.6 Describe scaphoid fracture and explain the anatomical basis of avascular necrosis</p>	
2.	Pectoral region	<p>AN9.1 Describe attachment, nerve supply & action of pectoralis major & Pectoralis minor</p> <p>AN9.2 Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied</p> <p>AN9.3 Describe development of breast</p>	Theory / Practical/Laboratory/ Clinical
3.	Axilla, Shoulder and Scapular region	<p>AN10.1 Identify & describe boundaries and contents of axilla</p> <p>AN10.2 Identify, describe, and demonstrate the origin, extent, course, and parts relations branches of axillary artery and tributaries of vein</p> <p>AN10.3 Describe, identify demonstrate formation, branches, relations area of supply of branches course and relations of terminal branches of brachial plexuses</p> <p>AN10.4 Describe the anatomical groups of axillary lymph nodes and specify their area of drainage.</p> <p>AN10.5 Explain variations in formation of brachial plexus</p> <p>AN10.6 Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis</p> <p>AN10.7 Explain anatomical basis of enlarged axillary lymph nodes</p> <p>AN10.8 Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi</p> <p>AN10.9 Describe the arterial anastomosis around the scapula and mention the Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation</p> <p>AN10.10 Describe and identify the deltoid and rotator cuff muscles</p> <p>AN10.11 Describe & demonstrate attachment</p>	Theory / Practical/Laboratory/ Clinical

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
		<p>of serratus anterior with its action</p> <p>AN10.12 Describe and demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy</p> <p>AN10.13 Explain anatomical basis of Injury to axillary nerve during intramuscular injections.</p>	
4	Arm & Cubital fossa	<p>AN11.1 Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii.</p> <p>AN11.2 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm</p> <p>AN11.3 Describe the anatomical basis of Venepuncture of cubital veins</p> <p>AN11.4 Describe the anatomical basis of Saturday night paralysis</p> <p>AN11.5 Identify & describe boundaries and contents of cubital fossa</p> <p>AN11.6 Describe the anastomosis around the elbow joint</p>	Theory / Practical/Laboratory/ Clinical
5	Forearm & hand	<p>AN12.1 Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions</p> <p>AN12.2 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm</p> <p>AN12.3 Identify & describe flexor retinaculum with its attachments</p> <p>AN12.4 Explain anatomical basis of carpal tunnel syndrome</p> <p>AN12.5 Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved</p> <p>AN12.6 Describe & demonstrate movements of thumb and muscles involved</p> <p>AN12.7 Describe & demonstrate movements of thumb and muscles involved nerves in hand.</p> <p>AN12.8 Describe anatomical basis of Claw hand</p> <p>AN12.9 Identify & describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths</p>	Theory / Practical/Laboratory/ Clinical

S.No	Topic	Competency	Theory / Practical/Laboratory/ Clinical
		<p>AN12.10 Explain infection of fascial spaces of palm</p> <p>AN12.11 Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions</p> <p>AN12.12 Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm</p> <p>AN12.13 Describe the anatomical basis of Wrist drop</p> <p>AN12.14 Identify & describe compartments deep to extensor retinaculum</p> <p>AN12.15 Identify & describe extensor expansion formation</p>	
6.	General Features, Joints, radiographs & surface marking	<p>AN13.1 Describe and explain Fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage</p> <p>AN13.2 Describe dermatomes of upper limb</p> <p>AN13.3 Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint</p> <p>AN13.4 Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint</p> <p>AN13.5 Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand</p> <p>AN13.6 Identify & demonstrate important bony landmarks of upper limb Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, Inferior angle of the scapula</p> <p>AN13.7 Identify & demonstrate surface projection of: Cephalic and basilic vein, Palpation of Brachial artery, Radial artery, Testing of muscles: Trapezius, pectoralis major, serratus anterior, latissimus dorsi, deltoid, biceps brachii, Brachioradialis</p> <p>AN13.8 Describe development of upper limb</p>	Theory / Practical/Laboratory/ Clinical

THORAX

S.No.	Topic	Competency	Theory / Practical/Laboratory/ Clinical
1.	Introduction & Thoracic wall	<p>AN21.1 Identify and describe the salient features of sternum, typical rib, 1st rib and typical thoracic vertebra.</p> <p>AN21.2 Identify & describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae</p> <p>AN21.3 Describe & demonstrate the boundaries of thoracic inlet, cavity and outlet</p> <p>AN21.4 Describe & demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles</p> <p>AN21.5 Describe & demonstrate origin, course, relations and branches of a typical intercostal Nerve</p> <p>AN21.6 Mention origin, course and branches/ tributaries of:</p> <ol style="list-style-type: none"> 1) anterior & posterior intercostal vessels 2) internal thoracic vessels <p>AN21.7 Mention the origin, course,</p> <ol style="list-style-type: none"> 1) atypical intercostal nerve 2) superior intercostal artery, subcostal artery relations and branches <p>AN21.8 Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints</p> <p>AN21.9 Describe & demonstrate mechanics and types of respiration</p> <p>AN21.10 Describe costochondral and interchondral joints</p>	Theory / Practical/Laboratory/ Clinical
2.	Mediastinum	<p>AN21.11 Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum</p> <p>AN23.1 Describe & demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of oesophagus</p> <p>AN23.2 Describe & demonstrate the extent, relations tributaries of thoracic duct and enumerate its applied anatomy</p> <p>AN23.3 Describe & demonstrate origin, course, relations, tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos veins</p> <p>AN23.4 Mention the extent, branches and relations of arch of aorta & descending thoracic aorta</p>	Theory / Practical/Laboratory/ Clinical

		<p>AN24.4 Identify phrenic nerve & describe its formation & distribution</p> <p>AN23.5 Identify & Mention the location and extent of thoracic sympathetic chain</p> <p>AN23.6 Describe the splanchnic nerves</p> <p>AN23.7 Mention the extent, relations and applied anatomy of lymphatic duct</p>	
3.	Pleura, Lungs & Trachea	<p>AN24.1 Mention the blood supply, lymphatic drainage and nerve supply of pleura, extent of pleura and describe the pleural recesses and their applied anatomy</p> <p>AN24.2 Identify side, external features and relations of structures which form root of lung & bronchial tree and their clinical correlate</p> <p>AN 24.3 Describe a bronchopulmonary segment</p> <p>AN24.5 Mention the blood supply, lymphatic drainage and nerve supply of lungs</p> <p>AN24.6 Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea</p>	Theory / Practical/Laboratory/ Clinical
4.	Heart & Pericardium	<p>AN22.1 Describe & demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium</p> <p>AN22.2 Describe & demonstrate external and internal features of each chamber of heart</p> <p>AN22.3 Describe & demonstrate origin, course and branches of coronary arteries</p> <p>AN22.4 Describe anatomical basis of ischaemic heart disease</p> <p>AN22.5 Describe & demonstrate the formation, course, tributaries and termination of coronary sinus</p> <p>AN22.6 Describe the fibrous skeleton of heart</p> <p>AN22.7 Mention the parts, position and arterial supply of the conducting system of heart</p>	Theory / Practical/Laboratory/ Clinical
5.	Radiology & Surface Marking	<p>AN25.7 Identify structures seen on a plain x-ray chest (PA view)</p> <p>AN25.8 Identify and describe in brief a barium swallow</p> <p>AN25.9 Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart</p>	Theory / Practical/Laboratory/ Clinical
6.	Embryology	<p>AN25.2 Describe development of pleura, lung & heart</p> <p>AN25.3 Describe fetal circulation and changes occurring at birth</p>	Theory / Practical/Laboratory/ Clinical

		<p>AN25.4 Describe embryological basis of:</p> <ol style="list-style-type: none"> 1) atrial septal defect, 2) ventricular septal defect, 3) Fallot's tetralogy & 4) tracheo-oesophageal fistula <p>AN25.5 Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta</p> <p>AN25.6 Mention development of aortic arch arteries, SVC, IVC and coronary sinus</p>	
7.	Histology	AN25.1 Identify, draw and label a slide of trachea and lung	Theory / Practical/Laboratory/ Clinical

HEAD & NECK

S No	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
1.	Skull osteology	<p>AN26.1 Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull</p> <p>AN26.2 Describe the features of norma frontalis, verticalis, occipitalis, lateralis and Basalis</p> <p>AN26.3 Describe cranial cavity, its subdivisions, foramina and structures passing through them</p> <p>AN26.4 Describe morphological features of mandible</p> <p>AN26.5 Describe features of typical and atypical cervical vertebrae (atlas and axis)</p> <p>AN26.6 Explain the concept of bones that ossify in membrane</p> <p>AN26.7 Describe the features of the 7th cervical vertebra</p>	Practical/ Laboratory/ Clinical
2.	Scalp	<p>AN27.1 Describe the layers of scalp, its blood supply, its nerve supply and surgical Importance</p> <p>AN27.2 Describe emissary veins with its role in spread of infection from extracranial route to intracranial venous sinuses</p>	Theory/ Practical/ Laboratory/ Clinical
3.	Face & parotid region	<p>AN28.1 Describe & demonstrate muscles of facial expression and their nerve supply</p> <p>AN28.2 Describe sensory innervation of face</p> <p>AN28.3 Describe & demonstrate origin /formation, course, branches /tributaries of facial vessels</p> <p>AN28.4 Describe & demonstrate branches of facial nerve with distribution</p> <p>AN28.5 Describe cervical lymph nodes and</p>	Theory/ Practical/ Laboratory/ Clinical

S No	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
		lymphatic drainage of head, face and neck AN28.6 Identify superficial muscles of face, their nerve supply and actions AN28.7 Explain the anatomical basis of facial nerve palsy AN28.8 Explain surgical importance of deep facial vein AN28.9 Describe & demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance AN28.10 Explain the anatomical basis of Frey's syndrome	
4.	Posterior triangle of neck	AN29.1 Describe & demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid AN29.2 Explain anatomical basis of Erb's & Klumpke's palsy AN29.3 Explain anatomical basis of wry neck AN29.4 Describe & demonstrate attachments of 1) inferior belly of omohyoid, 2) scalenus anterior, 3) scalenus medius & 4) levator scapulae	Theory/ Practical/ Laboratory/ Clinical
5.	Cranial cavity	AN30.1 Describe the cranial fossae & identify related structure AN30.2 Describe & identify major foramina with structures passing through them AN30.3 Describe & identify dural folds & dural venous sinuses AN30.4 Describe clinical importance of dural venous sinuses AN30.5 Explain effect of pituitary tumours on visual pathway	Theory/ Practical/ Laboratory/ Clinical
6.	Orbit	AN31.1 Describe & identify extra ocular muscles of eyeball AN31.2 Describe & demonstrate nerves and vessels in the orbit AN31.3 Describe anatomical basis of Horner's syndrome AN31.4 Enumerate components of lacrimal apparatus AN31.5 Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus	Theory/ Practical/ Laboratory/ Clinical
7.	Anterior Triangle	AN32.1 Describe boundaries and subdivisions of anterior triangle	Theory/ Practical/ Laboratory/ Clinical

S No	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
		AN32.2 Describe & demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	
8	Temporal and Infratemporal regions	AN33.1 Describe & demonstrate extent, boundaries and contents of temporal and infratemporal fossae AN33.2 Describe & demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication AN33.3 Describe & demonstrate articulating surface, type & movements of temporomandibular joint AN33.4 Explain the clinical significance of pterygoid venous plexus AN33.5 Describe the features of dislocation of temporomandibular joint	Theory/ Practical/ Laboratory/ Clinical
9	Submandibular region	AN34.1 Describe & demonstrate the morphology, relations and nerve supply of submandibular salivary gland & submandibular ganglion AN34.2 Describe the basis of formation of submandibular stones	Theory/ Practical/ Laboratory/ Clinical
10	Deep structures in the neck	AN35.1 Describe the parts, extent, attachments, modifications of deep cervical Fascia AN35.2 Describe & demonstrate location, parts, borders, surfaces, relations & blood supply of thyroid gland AN35.3 Demonstrate & describe the origin, parts, course & branches subclavian artery AN35.4 Describe & demonstrate origin, course, relations, tributaries and termination of internal jugular & brachiocephalic veins AN35.5 Describe and demonstrate extent, drainage & applied anatomy of cervical lymph nodes AN35.6 Describe and demonstrate the extent, formation, relation & branches of cervical sympathetic chain AN35.7 Describe the course and branches of IX, X, XI & XII nerve in the neck AN35.8 Describe the anatomically relevant clinical features of Thyroid swellings AN35.9 Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib AN35.10 Describe the fascial spaces of neck	

S No	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
11	Mouth, Pharynx & Palate	AN36.1 Describe the 1) morphology, relations, blood supply and applied anatomy of palatine tonsil 2) composition of soft palate AN36.2 Describe the components and functions of Waldeyer's lymphatic ring AN36.3 Describe the boundaries and clinical significance of pyriform fossa AN36.4 Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peritonsillar abscess AN36.5 Describe the clinical significance of Killian's dehiscence	Theory/ Practical/ Laboratory/ Clinical
12	Cavity of Nose	AN37.1 Describe & demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply AN37.2 Describe location and functional anatomy of paranasal sinuses AN37.3 Describe anatomical basis of sinusitis & maxillary sinus tumours	Theory/ Practical/ Laboratory/ Clinical
13	Larynx	AN38.1 Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx AN38.2 Describe the anatomical aspects of laryngitis AN38.3 Describe anatomical basis of recurrent laryngeal nerve injury	Theory/ Practical/ Laboratory/ Clinical
14	Tongue	AN39.1 Describe & demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue AN39.2 Explain the anatomical basis of hypoglossal nerve palsy	Theory/ Practical/ Laboratory/ Clinical
15	Organs of hearing and equilibrium	AN40.1 Describe & identify the parts, blood supply and nerve supply of external Ear AN40.2 Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube AN40.3 Describe the features of internal ear AN40.4 Explain anatomical basis of otitis externa and otitis media AN40.5 Explain anatomical basis of myringotomy	Theory/ Practical/ Laboratory/ Clinical
16	Eyeball	AN41.1 Describe & demonstrate parts and	Theory/ Practical/

S No	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
		layers of eyeball AN41.2 Describe the anatomical aspects of cataract, glaucoma & central retinal artery occlusion AN41.3 Describe the position, nerve supply and actions of intraocular muscles	Laboratory/ Clinical
17	Back Region	AN42.1 Describe the contents of the vertebral canal AN42.2 Describe & demonstrate the boundaries and contents of Suboccipital triangle AN42.3 Describe the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius capitis	Theory/ Practical/ Laboratory/ Clinical
18	Head & neck Joints	AN43.1 Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint	Theory/ Practical/ Laboratory/ Clinical
19	Histology	AN43.2 Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina AN43.3 Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea-organ of corti, pineal gland	Theory/ Practical/ Laboratory/ Clinical
20	Development	AN43.4 Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland & eye	Theory/ Practical/ Laboratory/ Clinical
21	Radiology & Surface marking	AN43.5 Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels AN43.6 Demonstrate surface projection of-Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve AN43.7 Identify the anatomical structures in	Theory/ Practical/ Laboratory/ Clinical

S No	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
		1) Plain X-ray skull, 2) AP view and lateral view 3) Plain X-ray cervical spine-AP and lateral view 4) Plain X-ray of paranasal sinuses AN43.8 Describe the anatomical route used for carotid angiogram and vertebral Angiogram AN43.9 Identify anatomical structures in carotid angiogram and vertebral angiogram	

NEUROANATOMY

S. No.	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
1	Meninges & CSF	AN56.1 Describe & identify various layers of meninges with its extent & modifications AN56.2 Describe circulation of CSF with its applied anatomy	Theory/Practical/Laboratory/ Clinical
2	Spinal cord	AN57.1 Identify external features of spinal cord AN57.2 Describe extent of spinal cord in child & adult with its clinical implication AN57.3 Draw & label transverse section of spinal cord at mid-cervical & midthoracic level AN57.4 Enumerate ascending & descending tracts at mid thoracic level of spinal cord AN57.5 Describe anatomical basis of syringomyelia	Theory / Practical/Laboratory/ Clinical
3	Medulla Oblongata	AN58.1 Identify external features of medulla oblongata AN58.2 Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION AN58.3 Enumerate cranial nerve nuclei in medulla oblongata with their functional group AN58.4 Describe anatomical basis & effects of medial & lateral medullary syndrome	Theory / Practical/Laboratory/ Clinical
4	Pons	AN59.1 Identify external features of pons AN59.2 Draw & label transverse section of pons at the upper and lower level AN59.3 Enumerate cranial nerve nuclei in pons with their functional group	Theory / Practical/ Laboratory/ Clinical

5	Cerebellum	AN60.1 Describe & demonstrate external & internal features of cerebellum AN60.2 Describe connections of cerebellar cortex and intracerebellar nuclei AN60.3 Describe anatomical basis of cerebellar dysfunction	Theory / Practical/ Laboratory/ Clinical
6	Midbrain	AN61.1 Identify external & internal features of midbrain AN61.2 Describe internal features of midbrain at the level of superior & inferior colliculus AN61.3 Describe anatomical basis & effects of Benedikt's and Weber's syndrome	Theory / Practical/Laboratory/ Clinical
7	Cranial nerve nuclei & Cerebral hemispheres	AN62.1 Enumerate cranial nerve nuclei with its functional component AN62.2 Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere AN62.3 Describe the white matter of cerebrum AN62.4 Enumerate parts & major connections of basal ganglia & limbic lobe AN62.5 Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus AN62.6 Describe & identify formation, branches & major areas of distribution of circle of Willis	Theory / Practical/ Laboratory/ Clinical
8	Ventricular system	AN63.1 Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle AN63.2 Describe anatomical basis of congenital hydrocephalus	Theory / Practical/Laboratory/ Clinical
9	Histology & Embryology	AN64.1 Describe & identify the microanatomical features of Spinal cord, Cerebellum & Cerebrum AN64.2 Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere & cerebellum AN64.3 Describe various types of open neural tube defects with its embryological basis	Theory / Practical/Laboratory/ Clinical

LOWER LIMB

S. No.	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
1.	Features of individual bones	AN14.1 Identify the given bone, its side, important features & keep it in	Theory/ Practical/ Laboratory/ Clinical

S. No.	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
		<p>anatomical position</p> <p>AN14.2 Identify & describe joints formed by the given bone</p> <p>AN14.3 Describe the importance of ossification of lower end of femur & upper end of tibia.</p> <p>AN14.4 Identify and name various bones in the articulated foot with individual muscle attachment.</p>	
2.	Front & Medial side of thigh	<p>AN15.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh</p> <p>AN15.2 Describe and demonstrate major muscles with their attachment, nerve supply and actions</p> <p>AN15.3 Describe and demonstrate boundaries, floor, roof and contents of femoral triangle</p> <p>AN15.4 Explain anatomical basis of Psoas abscess & Femoral hernia</p> <p>AN15.5 Describe and demonstrate adductor canal with its content</p>	Theory/ Practical/ Laboratory/ Clinical
3.	Gluteal region & back of thigh	<p>AN16.1 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region</p> <p>AN16.2 Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections</p> <p>AN16.3 Explain the anatomical basis of Trendelenburg sign</p> <p>AN16.4 Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions</p> <p>AN16.5 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels on the back of thigh</p> <p>AN16.6 Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa</p>	Theory/ Practical/ Laboratory/ Clinical
4.	Hip joint	<p>AN17.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the</p>	Theory/ Practical/ Laboratory/ Clinical

S. No.	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
		<p>hip joint</p> <p>AN17.2 Describe anatomical basis of complications of fracture neck of femur</p> <p>AN17.3 Describe dislocation of hip joint and surgical hip replacement</p>	
5.	Knee joint, Anterolateral compartment of leg & dorsum of foot	<p>AN18.1 Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions</p> <p>AN18.2 Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg</p> <p>AN18.3 Explain the anatomical basis of foot drop</p> <p>AN18.4 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint</p> <p>AN18.5 Explain the anatomical basis of locking and unlocking of the knee joint</p> <p>AN18.6 Describe knee joint injuries with its applied anatomy</p> <p>AN18.7 Explain anatomical basis of Osteoarthritis</p>	Theory/ Practical/ Laboratory/ Clinical
6.	Back of Leg & Sole	<p>AN19.1 Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions</p> <p>AN19.2 Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg</p> <p>AN19.3 Explain the concept of "Peripheral heart"</p> <p>AN19.4 Explain the anatomical basis of rupture of calcaneal tendon</p> <p>AN19.5 Describe factors maintaining importance arches of the foot with its attachment</p> <p>AN19.6 Explain the anatomical basis of Flat foot & Club foot</p> <p>AN19.7 Explain the anatomical basis of Metatarsalgia & Plantar fasciitis</p>	Theory/ Practical/ Laboratory/ Clinical
7.	General Features, Joints, radiographs & surface marking	AN20.1 Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements	Theory/ Practical/ Laboratory/ Clinical

S. No.	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
		<p>and muscles involved, blood and nerve supply of tibiofibular and ankle joint</p> <p>AN20.2 Describe the subtalar and transverse tarsal joints</p> <p>AN20.3 Describe and demonstrate Fascia lata, Venous drainage, Lymphatic drainage, Retinacula & Dermatomes of lower limb</p> <p>AN20.4 Explain anatomical basis of enlarged inguinal lymph nodes</p> <p>AN20.5 Explain anatomical basis of varicose veins and deep vein thrombosis</p> <p>AN20.6 Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb</p> <p>AN20.7 Identify & demonstrate important bony landmarks of lower limb: -Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliactubercle, pubic tubercle, ischial tuberosity, adductor tubercle, - Tibial tuberosity, head of fibula, -Medial and lateral malleoli, Condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal tuberosity of the navicular</p> <p>AN20.8 Identify & demonstrate palpation of femoral, popliteal, post tibial, anti-tibial & dorsalis pedis blood vessels in a simulated environment</p> <p>AN20.9 Identify & demonstrate Palpation of vessels (femoral, popliteal, dorsalis pedis, post tibial), Mid inguinal point, Surface projection of: femoral nerve, Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins</p> <p>AN20.10 Describe basic concept of development of lower limb</p>	

ABDOMEN

S. No.	Topic	Competencies	Theory/ Practical/ Laboratory/ Clinical
1.	Anterior abdominal wall	<p>AN44.1 Describe & demonstrate the Planes (transpyloric, transtubercular, subcostal, lateral vertical, linea alba, linea semilunaris), regions & quadrants of abdomen</p> <p>AN44.2 Describe & identify the Fascia, nerves & blood vessels of anterior abdominal wall</p> <p>AN44.3 Describe the formation of rectus</p>	Theory / Practical/Laboratory/ Clinical

		<p>sheath and its contents</p> <p>AN44.4 Describe & demonstrate extent, boundaries, contents of Inguinal canal including Hesselbach's triangle.</p> <p>AN44.5 Explain the anatomical basis of inguinal hernia.</p> <p>AN44.6 Describe & demonstrate attachments of muscles of anterior abdominal wall</p> <p>AN44.7 Enumerate common Abdominal incisions</p>	
2.	Posterior abdominal wall	<p>AN45.1 Describe Thoracolumbar fascia</p> <p>AN45.2 Describe & demonstrate Lumbar plexus for its root value, formation & branches</p> <p>AN45.3 Mention the major subgroups of back muscles, nerve supply and action</p>	Theory / Practical/Laborator y/ Clinical
3.	Male external genitalia	<p>AN46.1 Describe & demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage & descent of testis with its applied anatomy</p> <p>AN46.2 Describe parts of Epididymis</p> <p>AN46.3 Describe Penis under following headings: (parts, components, blood supply and lymphatic drainage)</p> <p>AN46.4 Explain the anatomical basis of Varicocoele</p> <p>AN46.5 Explain the anatomical basis of Phimosis & Circumcision</p>	Theory / Practical/Laborator y/ Clinical
4.	Abdominal cavity	<p>AN47.1 Describe & identify boundaries and recesses of Lesser & Greater sac</p> <p>AN47.2 Name & identify various peritoneal folds & pouches with its explanation</p> <p>AN47.3 Explain anatomical basis of Ascites & Peritonitis</p> <p>AN47.4 Explain anatomical basis of Subphrenic abscess</p> <p>AN47.5 Describe & demonstrate major viscera of abdomen under following headings (anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects)</p> <p>AN47.6 Explain the anatomical basis of Splenic notch, Accessory spleens, Kehr's sign, Different types of vagotomy, Liver biopsy (site of needle puncture), Referred pain in cholecystitis, Obstructive jaundice, Referred pain around umbilicus, Radiating</p>	Theory / Practical/Laboratory / Clinical

		<p>pain of kidney to groin & Lymphatic spread in carcinoma stomach</p> <p>AN47.7 Mention the clinical importance of Calot's triangle</p> <p>AN47.8 Describe & identify the formation, course relations and tributaries of Portal vein, Inferior vena cava & Renal vein</p> <p>AN47.9 Describe & identify the origin, course, important relations and branches of Abdominal aorta, Coeliac trunk, Superior mesenteric, Inferior mesenteric & Common iliac artery</p> <p>AN47.10 Enumerate the sites of portosystemic anastomosis</p> <p>AN47.11 Explain the anatomic basis of hematemesis & caput medusae in portal hypertension</p> <p>AN47.12 Describe important nerve plexuses of posterior abdominal wall</p> <p>AN47.13 Describe & demonstrate the attachments, openings, nerve supply & action of the thoracoabdominal diaphragm</p> <p>AN47.14 Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia</p>	
5.	Osteology	<p>AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups</p> <p>AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet</p> <p>AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis</p>	
6.	Vertebral column	<p>AN50.1 Describe the curvatures of the vertebral column</p> <p>AN50.2 Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis</p> <p>AN50.3 Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture)</p> <p>AN50.4 Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc,</p>	<p>Theory / Practical/Laboratory / Clinical</p>

		Spondylolisthesis & Spina bifida	
7.	Sectional Anatomy	AN51.1 Describe & identify the cross section at the level of T8, T10 and L1 (transpyloric plane)	Theory / Practical/Laboratory / Clinical
8.	Histology & Embryology	AN52.1 Describe & identify the microanatomical features of Gastro-intestinal system: Oesophagus, Fundus of stomach, Pylorus of stomach, Duodenum, Jejunum, Ileum, Large intestine, Appendix, Liver, Gall bladder, Pancreas & Suprarenal gland AN52.2 Describe & identify the microanatomical features of: Urinary system: Kidney, Ureter & Urinary bladder AN52.3 Describe & identify the microanatomical features of Cardiooesophageal junction, Corpus luteum AN52.4 Describe the development of anterior abdominal wall AN52.5 Describe the development and congenital anomalies of Diaphragm	Theory / Practical/Laboratory/ Clinical
9.	Osteology	AN53.1 Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups AN53.4 Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)	Practical/Laborator y/ Clinical
10.	Radiodiagnosis	AN54.1 Describe & identify features of plain X ray abdomen AN54.2 Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography) AN54.3 Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen	Theory / Practical/Laborator y/ Clinical
11.	Surface marking	AN55.1 Demonstrate the surface marking of; Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring, McBurney's point, Renal Angle & Murphy's point AN55.2 Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesenter	Theory / Practical/Laborator y/ Clinical

PELVIS & PERINEUM

S.No.	Topic	Competency	Theory / Practical/Laboratory/ Clinical
1.	Pelvic wall and viscera	<p>AN53.2 Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet</p> <p>AN53.3 Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis</p> <p>AN48.1 Describe & identify the muscles of Pelvic diaphragm</p> <p>AN48.2 Describe & demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male & female pelvic viscera</p> <p>AN48.3 Describe & demonstrate the origin, course, important relations and branches of internal iliac artery</p> <p>AN48.4 Describe the branches of sacral plexus</p> <p>AN48.5 Explain the anatomical basis of suprapubic cystostomy, Urinary obstruction in benign prostatic hypertrophy, Retroverted uterus, Prolapse uterus, Internal and external haemorrhoids, Anal fistula, Vasectomy, Tubal pregnancy & Tubal ligation</p> <p>AN48.6 Describe the neurological basis of Automatic bladder</p> <p>AN48.7 Mention the lobes involved in benign prostatic hypertrophy & prostatic Cancer</p> <p>AN48.8 Mention the structures palpable during vaginal & rectal examination</p> <p>AN51.2 Describe & identify the midsagittal section of male and female pelvis</p>	Theory / Practical/Laboratory/ Clinical
2.	Perineum	<p>AN49.1 Describe & demonstrate the superficial & deep perineal pouch (boundaries and contents)</p> <p>AN49.2 Describe & identify Perineal body</p> <p>AN49.3 Describe & demonstrate Perineal membrane in male & female</p> <p>AN49.4 Describe & demonstrate boundaries, content & applied anatomy of Ischiorectal fossa</p> <p>AN49.5 Explain the anatomical basis of Perineal tear, Episiotomy, Perianal abscess and Anal fissure</p>	

S.No.	Topic	Competency	Theory / Practical/Laboratory/ Clinical
3.	Histology	AN52.8 Describe & identify the microanatomical features of: Male Reproductive System: Testis, Epididymis, Vas deferens, Prostate & Penis Female reproductive system: Ovary, Uterus, Uterine tube, Cervix, Placenta & Umbilical cord AN52.7 Urinary system: Kidney, Ureter & Urinary bladder	
4.	Embryology	AN52.7 Describe the development of Urinary system AN52.8 Describe the development of male & female reproductive system	
5.	Radiology	AN54.2 Describe & identify the special radiographs of abdominopelvic region: Hysterosalpingography	

• ASSESSMENT

(a) Formative

Gross Anatomy will be taught under the following headings:

- General Anatomy
- Neuroanatomy
- Head and Neck
- Upper limb
- Thorax
- Abdomen
- Pelvis
- Lower limb

Stages during the part and Grand stages at the completion of the part of the human body being taught will be taken.

(b) Internal Assessment

I term exam:

Theory 100 marks

Practical 100 marks

II term exam:

Theory 100 marks

Practical 100 marks

Sent up

Theory

Paper 1: 100 marks

Paper 2: 100 marks

Practical 100 marks

Assessment theory: Percentage of I term + II term + Sent up theory marks

Assessment Practical: Percentage of I term + II term + Sent up Practical marks

Minimum of 50% combined in theory and Practical (not less than 40% in each) in internal exams for eligibility for appearing for University examinations.

(c) Summative theory practical & Viva Voce pattern with distribution of marks

FIRST PROFESSIONAL

Theory Paper- Anatomy

PAPER- I

100 Marks

Topics: General Histology, General Anatomy, Neuroanatomy, Head and Neck and Upper limb and related histology and embryology

PAPER- II

100 Marks

Topics: General embryology, Principles of Genetics, Thorax, Abdomen, Pelvis and Perineum, Lower Limb and related Histology and Embryology

THEORY QUESTION PAPER FORMAT

(Applicable for Paper – I and Paper -II)

Part I

1. MCQs (10MCQs) 20 marks

Part II

2.

(a) Enumerate 2x5=10 marks

i) ii) iii) iv) v)

(b) Write briefly on 2x 5= 10 marks

i) ii) iii) iv) v)

3. Draw labeled diagrams of the following 4x5=20 Marks

i) ii) iii) iv)

Part III

4. Structured long question 10 marks

5. Write short notes on 3X5=15 marks

i) ii) iii)

6. Write anatomical /embryological basis of 3X5=15 marks

i) ii) iii)

Practical	100 marks
Section	Marks
Spotting	20
Hard Parts	20
Soft parts	20
Histology (2 Slides + Viva)	10
Embryology (Models + Viva)	10
Radiology viva	8
Living anatomy	6
Problem solving	6

Criteria for passing Professional examination

- 50% marks are mandatory in Theory (Theory papers only) and Practical (Practical + Viva) separately
- Internal assessment marks will not be added to the University examination and will be shown separately in the grade card.

14. Amendment to Ordinance V (2) & VII. [E.C Res. 15-6 dated 31.08.2021]

BIOCHEMISTRY

Course of UG MBBS Graduate in First Semester

Main Topic	Competencies (Theory)
Basic Biochemistry	1. Describe the molecular and functional organization of a cell and its sub cellular components
Enzymes	1. Explain fundamental concepts of enzyme, isoenzyme, alloenzyme, coenzyme & co-factors. Enumerate the main classes of IUBMB nomenclature 2. Describe and explain the basic principles of enzyme activity 3. Describe and discuss enzyme inhibitors as poisons and drugs and as therapeutic enzymes 4. Describe and discuss the clinical utility of various serum enzymes as markers of pathological conditions. 5. Discuss use of enzymes in laboratory investigations (Enzyme-based assays)

Chemistry and metabolism of carbohydrates	<ol style="list-style-type: none"> 1. Discuss and differentiate monosaccharides, di-saccharides and polysaccharides giving examples of main carbohydrates as energy fuel, structural element and storage in the human body 2. Describe the processes involved in digestion and assimilation of carbohydrates and storage. 3. Define and differentiate the pathways of carbohydrate metabolism (glycolysis, gluconeogenesis, glycogen metabolism, HMP shunt). 4. Describe and discuss the regulation, functions and integration of Carbohydrate along with associated diseases/disorders. 5. Describe and discuss the concept of TCA cycle as a amphibolic pathway and its regulation 6. Describe the common poisons that inhibit crucial enzymes of carbohydrate metabolism (eg; fluoride, arsenate) 7. Discuss and interpret laboratory results of analytes associated with metabolism of carbohydrates. 8. Discuss the mechanism and significance of blood glucose regulation in health and disease. 9. Interpret the results of blood glucose levels and other laboratory investigations related to disorders of carbohydrate metabolism. 10. Discuss the metabolic processes that take place in specific organs in the body in the fed and fasting states.
Chemistry and metabolism of lipids	<ol style="list-style-type: none"> 1. Describe and discuss main classes of lipids (Essential/non-essential fatty acids, cholesterol and hormonal steroids, triglycerides, major phospholipids and sphingolipids) relevant to human system and their major functions. 2. Describe the processes involved in digestion and absorption of dietary lipids and also the key features of their metabolism 3. Explain the regulation of lipoprotein metabolism & associated disorders. 4. Describe the structure and functions of lipoproteins, their functions, Interrelations & relations with atherosclerosis 5. Interpret laboratory results of analytes associated with metabolism of lipids 6. Describe the therapeutic uses of prostaglandins and inhibitors of eicosanoid synthesis.
Chemistry and metabolism of proteins	<ol style="list-style-type: none"> 1. Describe and discuss structural organization of proteins. 2. Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies 3. Describe the digestion and absorption of dietary proteins. 4. Describe common disorders associated with protein metabolism 5. Interpret laboratory results of analytes associated with metabolism of proteins
Chemistry and metabolism of nucleotides	<ol style="list-style-type: none"> 1. Describe and discuss the metabolic processes in which nucleotides are involved. 2. Describe the common disorders associated with nucleotide metabolism. 3. Discuss the laboratory results of analytes associated with gout & Lesch Nyhan syndrome

Biochemical role of Vitamins and Minerals	<ol style="list-style-type: none"> 1. Describe the biochemical role of vitamins in the body and explain the manifestations of their deficiency 2. Describe the functions of various minerals in the body, their metabolism and homeostasis. 3. Enumerate and describe the disorders associated with mineral metabolism
Biological oxidation and ATP generation	<ol style="list-style-type: none"> 1. Describe the biochemical processes involved in generation of energy in cells.
Water, electrolyte, pH and buffers	<ol style="list-style-type: none"> 1. Describe the processes involved in maintenance of normal pH, water & electrolyte balance of body fluids and the derangements associated with these. 2. Discuss and interpret results of Arterial Blood Gas (ABG) analysis in various disorders.
Heme chemistry and Metabolism	<ol style="list-style-type: none"> 1. Describe the functions of heme in the body and describe the processes involved in its metabolism and describe porphyrin metabolism. 2. Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance.
Biochemical functions and tests of Kidney, Liver, Adrenals, Thyroid	<ol style="list-style-type: none"> 1. Describe the functions of the kidney, liver, thyroid and adrenal glands 2. Describe the tests that are commonly done in clinical practice to assess the functions of these organs (kidney, liver, thyroid and adrenal glands). 3. Describe the abnormalities of kidney, liver, thyroid and adrenal glands
Molecular	<ol style="list-style-type: none"> 1. Describe the structure and functions of DNA and RNA and outline the cell cycle 2. Describe the processes involved in replication & repair of DNA and the transcription & translation mechanisms 3. Describe gene mutations and basic mechanism of regulation of gene expression. 4. Describe applications of molecular technologies like recombinant DNA technology, PCR in the diagnosis and treatment of diseases with genetic basis.
Xenobiotics	<ol style="list-style-type: none"> 1. Describe the role of xenobiotics in disease.
Anti-oxidants, Free radicals and anti oxidative stress	<ol style="list-style-type: none"> 1. Describe the anti-oxidant defence systems in the body 2. Describe the role of oxidative stress in the pathogenesis of conditions such as cancer, complications of diabetes mellitus and atherosclerosis.
Diet, Nutrition	<ol style="list-style-type: none"> 1. Discuss the importance of various dietary components and explain importance of dietary fibre. 2. Describe the types and causes of protein energy malnutrition and its effects. 3. Provide dietary advice for optimal health in childhood and adult, in disease conditions like diabetes mellitus, coronary artery disease and

	<p>in pregnancy.</p> <ol style="list-style-type: none"> Describe the causes (including dietary habits), effects and health risks associated with being overweight/ obese. Summarize the nutritional importance of commonly used items of food including fruits and vegetables (macro-molecules and its importance)
ECM and glycoproteins	<ol style="list-style-type: none"> List the functions and components of the extracellular matrix (ECM). Discuss the involvement of ECM components in health and disease.
Protein Targetting	<ol style="list-style-type: none"> Describe protein targeting and sorting along with its associated disorders.
Cancer and Apoptosis	<ol style="list-style-type: none"> Describe the cancer initiation, promotion oncogenes & oncogene activation. Also focus on p53 & apoptosis. Describe various biochemical tumor markers and the biochemical basis of cancer therapy.
Immunology	<ol style="list-style-type: none"> Describe the cellular and humoral components of the immune system & describe the types and structure of antibody. Describe & discuss innate and adaptive immune responses, self/non-self-recognition and the central role of T-helper cells in immune responses. Describe antigens and concepts involved in vaccine development.

Course of UG MBBS Graduate in First Semester Biochemistry Curriculum (Practical)

Demonstrations
Describe commonly used laboratory apparatus and equipments, good safe laboratory practice and waste disposal.
Describe the preparation of buffers and estimation of pH.
Describe the chemical components of normal urine
Describe screening of urine for inborn errors & describe the use of paper chromatography
Describe the principles of Colorimetry
Demonstrate the estimation of serum total Cholesterol and HDL Cholesterol
Demonstrate the estimation of Triglycerides
Demonstrate the estimation of Calcium and Phosphorus
Demonstrate the estimation of SGOT/ SGPT
Demonstrate the estimation of Alkaline phosphatase
Describe & discuss the composition of CSF.
Observe use of commonly used equipments/techniques in biochemistry laboratory including: pH meter Paper chromatography of amino acid Protein electrophoresis

TLC, PAGE Electrolyte analysis by ISE ELISA Immunodiffusion Autoanalyser Quality control DNA isolation from blood/ tissue
Problem based learning
Explain the basis and rationale of biochemical tests done in the following conditions: - diabetes mellitus, - dyslipidemia, - myocardial infarction, - renal failure, gout, - proteinuria, - nephrotic syndrome, - edema, - jaundice, - liver diseases, pancreatitis, disorders of acid- base balance, - thyroid disorders
Combined in Lecture content
Calculate energy content of different food items, identify food items with high and low glycemic index and explain the importance of these in the Enumerate advantages and/or disadvantages of use of unsaturated, saturated and trans fats in food.
Practical
Identify abnormal constituents in urine, interpret the findings and correlate these with pathological states.
Demonstrate estimation of glucose.
Demonstrate estimation of Albumin. Calculate albumin: globulin (AG) ratio
Demonstrate the estimation of serum creatinine and creatinine clearance
Demonstrate the estimation of serum bilirubin
Demonstrate estimation of urea
Demonstrate estimation of Total protein

• **TEACHING LEARNING METHODS**

Competency	Demo	Lecture /Small group discussion	DOAP	Certifiable competency
BI 1.1 Cell organisation		✓		
BI 2.2-2.7 Enzymes		✓		

BI 3.1-3.10 Carbohydrate chemistry and metabolism		✓		
BI 4.1-4.7 Lipid chemistry and metabolism		✓		
BI 5.1-5.7 Protein chemistry and metabolism		✓		
BI 6.1 Integration of metabolism		✓		
BI 6.2-6.4 Nucleotide metabolism		✓		
BI 6.7-6.8 Ph and ABG		✓		
BI 6.9-6.10 Mineral Metabolism		✓		
BI 6.11-6.12 Haemoglobin		✓		
BI 6.13-6.15 Organ function test		✓		
BI 7.1-7.4 DNA transcription, translation and recombinant DNA		✓		
BI 7.5 XENOBIOTICS		✓		
BI 7.6-7.7 Free Radical		✓		
BI 8.1-8.5 Diet and nutrition Obesity/CAD/DM		✓		
BI 9.1-9.2 Extracellular Matrix		✓		
BI 9.3 Protein targeting		✓		
BI 10.1-10.2 Cancer and cancer marker		✓		
BI 10.3-10.5 Immunology		✓		

Teaching learning methods of Topics covered in Practical Biochemistry classes				
COMPETENCIES	DEMO	LECTURE/ SG D	DOAP	CERTIFIABLE COMPETENCIES
BI 11.1 Laboratory apparatus and good laboratory practices	✓	✓		
BI 11.2 Ph determination	✓	✓	✓	
BI 11.3,11.4 Urine Examination	✓	✓	✓	✓
BI 11.5 Paper Chromatography		✓		
BI 11.6 Colorimetry	✓	✓	✓	

BI 11.7 Creatinine estimation/clearence	✓	✓	✓	
BI 11.8 Serum protein/albumin	✓	✓	✓	✓
BI 11.9 Total cholesterol/HDL		✓		
BI 11.10 Triglycerides		✓		
BI 11.11 Calcium and phosphorus		✓		
BI 11.12 Serum Bilirubin	✓	✓	✓	
BI 11.13 SGOT/SGPT Demo	✓	✓		
BI 11.14 Alkaline Phosphatase	✓	✓		
BI 11.15 CSF Composition		✓		
BI 11.16 Equipment and technique Ph,PAGE,electrophoresis,ISE ABG analyser, ELISA, Immunodiffusion, autoana lyser Quality control,DNA isolation.	✓	✓		
BI 11.17 Biochemical test for diabetes, dyslipidemia, Myocardial infarction, renal failure, proteinuria, nephrotic syndrome, edema, jaundice, liver disease and acid base balance disorder and thyroid disorder.	✓	✓		
BI 11.18 Principles of spectrophotometry	✓	✓		
BI 11.19 Basic principles of functioning of biochemistry instrument		✓		
BI 11.20 Correlation of abnormal urine findings with pathological condition	✓	✓	✓	✓
BI 11.21 Demonstration of estimation of glucose, creatinine, urea, and total protein	✓	✓	✓	✓
BI 11.22 A:G ratio and creatinine clearance calculation	✓	✓	✓	✓
BI 11.23 Calculate energy content of different food items		✓		
BI 11.24 Advantage /disadvantage of MUFA, PUFA		✓		

ASSESSMENT:

Formative Assessment	- One assessment per month.
Internal Assessment	- 40 % Marks separately in theory and practical (To be able to appear in the 1 st professional Exam) - Minimum 50% in theory and practical combined for declaration of final result by university.
Summative exam	- Theory, Practical & Viva Voce pattern

with distribution of marks is as follows

	Theory	Practical and viva
Ist Term	Total marks= 100 One paper (20% MCQs) i.e. 80 Marks theory paper and 20 marks for MCQs)	Total marks= 100 (80 marks practical and 20 marks grand viva (from theory)
IInd Term	Total MARKS=100 One paper (20% MCQs) i.e 80 Marks theory paper and 20 marks for MCQs)	Total marks= 100 (80 marks practical and 20 marks grand viva (from theory)
Sent up	Total MARKS=200 Two paper (20% MCQs) i.e 80 Marks theory paper and 20 marks for MCQs) for each	Total marks= 100 (80 marks practical and 20 marks grand viva (from theory)
Professional exam	Total MARKS=200 Two paper (20% MCQs) i.e. 80 Marks theory paper and 20 marks for MCQs) for each	Total marks= 100 (80 marks practical and 20 marks grand viva (from theory)

MCQs (20 marks per theory paper): Mandatory, all five types of MCQs covering all broad areas of biochemistry (60% applied and 40% recall). No negative marking and time allotted: 30 minutes.

Theory paper (100 marks for each, wherever applicable), all questions must be structured. At least 80% questions should be from the must know area. The distribution will be as follows:

- **Section A** (20 marks) will be MCQs (as mentioned above),
 - 12 single response – 01 mark each
 - 2 reason assertion – 02 marks each
 - 1 Matching – 04 marks each
- **Section B** (40 marks): Clinical case based long structured question (10 marks), structured, short notes (2.5x4=10 marks), Explain Why (10 marks) and compare and contrast (10 marks)
- **Section C:** Clinical case based long structured question (10 marks), structured short notes (10 marks), Explain Why (10 marks) and compare and contrast (10 marks) Practicals: 80 marks practical and 20 marks grand viva (from theory). The competencies that need to be certified will be covered by OSPES. At least 80% questions should be from the must know area. The distribution will be as follows:

- **OSPEs** (40 marks)
- **Section B** (40 marks): Serum analysis (20 marks for professional exam, for the rest of the examinations as mentioned above 15 marks and 5 marks will be for the practical file), urine analysis (10 marks), and Bench viva (10 marks).

15. Amendment to Ordinance V (2) & VII. [E.C Res. 15-6 dated 31.08.2021]

COURSE CONTENT OF HUMAN PHYSIOLOGY

General Physiology

- PY1.1 Describe the structure and functions of a mammalian cell
- PY1.2 Describe and discuss the principles of homeostasis
- PY1.3 Describe intercellular communication
- PY1.4 Describe apoptosis – programmed cell death
- PY1.5 Describe and discuss transport mechanisms across cell membranes
- PY1.6 Describe the fluid compartments of the body, its ionic composition & measurements
- PY1.7 Describe the concept of pH & Buffer systems in the body
- PY1.8 Describe and discuss the molecular basis of resting membrane potential and action potential in excitable tissue
- PY1.9 Demonstrate the ability to describe and discuss the methods used to demonstrate the functions of the cells and its products, its communications and their applications in Clinical care and research.

Haematology

- PY2.1 Describe the composition and functions of blood components
- PY2.2 Discuss the origin, forms, variations and functions of plasma proteins
- PY2.3 Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin
- PY2.4 Describe RBC formation (erythropoiesis & its regulation) and its functions
- PY2.5 Describe different types of anaemias & Jaundice
- PY2.6 Describe WBC formation (granulopoiesis) and its regulation
- PY2.7 Describe the formation of platelets, functions and variations.
- PY2.8 Describe the physiological basis of hemostasis and, anticoagulants. Describe bleeding & clotting disorders (Hemophilia, purpura)
- PY2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion
- PY2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation
- PY2.11 Estimate Hb, RBC, TLC, RBC indices, DLC, Blood groups, BT/CT
- PY2.12 Describe test for ESR, Osmotic fragility, Hematocrit. Note the findings and interpret the test results etc.
- PY2.13 Describe steps for reticulocyte and platelet count

Nerve and Muscle Physiology

- PY3.1 Describe the structure and functions of a neuron and neuroglia; Discuss Nerve Growth Factor & other growth factors/cytokines
- PY3.2 Describe the types, functions & properties of nerve fibers
- PY3.3 Describe the degeneration and regeneration in peripheral
- PY3.4 Describe the structure of neuro-muscular junction and transmission of impulses
- PY3.5 Discuss the action of neuro-muscular blocking agents
- PY3.6 Describe the pathophysiology of Myasthenia gravis
- PY3.7 Describe the different types of muscle fibres and their structure
- PY3.8 Describe action potential and its properties in different muscle types (skeletal & smooth)
- PY3.9 Describe the molecular basis of muscle contraction in skeletal and in smooth muscles
- PY3.10 Describe the mode of muscle contraction (isometric and isotonic)
- PY3.11 Explain energy source and muscle metabolism
- PY3.12 Explain the gradation of muscular activity
- PY3.13 Describe muscular dystrophy:
- PY3.14 Perform Ergography
- PY3.15 Demonstrate effect of mild, moderate and severe exercise and record changes in cardiorespiratory parameters
- PY3.16 Demonstrate Harvard Step test and describe the impact on induced physiologic parameters in a simulated environment
- PY3.17 Describe Strength-duration curve
- PY3.18 Observe with Computer assisted learning (i) amphibian nerve -muscle experiments (ii) amphibian cardiac experiments

Gastrointestinal Physiology

- PY4.1 Describe the structure and functions of digestive system
- PY4.2 Describe the composition, mechanism of secretion, functions, and regulation of saliva, gastric, pancreatic, intestinal juices and bile secretion
- PY4.3 Describe GIT movements, regulation and functions. Describe defecation reflex. Explain role of dietary fibre.
- PY4.4 Describe the physiology of digestion and absorption of nutrients. Describe the source of GIT hormones, their regulation and functions
- PY4.5 Describe the Gut-Brain Axis
- PY4.6 Describe & discuss the structure and functions of liver and gall bladder
- PY4.7 Describe & discuss gastric function tests, pancreatic exocrine function tests & liver function tests
- PY4.8 Discuss the physiology aspects of: peptic ulcer, gastrooesophageal reflux disease, vomiting, diarrhoea, constipation, Adynamic ileus, Hirschsprung's disease
- PY4.9 Demonstrate the correct clinical examination of the abdomen in a normal volunteer or simulated environment

Cardiovascular Physiology

- PY5.1 Describe the functional anatomy of heart including chambers, sounds; and Pacemaker tissue and conducting system.

- PY5.2 Describe the properties of cardiac muscle including its morphology, electrical, mechanical and metabolic functions
- PY5.3 Discuss the events occurring during the cardiac cycle
- PY5.4 Describe generation, conduction of cardiac impulse
- PY5.5 Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis
- PY5.6 Describe abnormal ECG, arrhythmias, heart block and myocardial Infarction
- PY5.7 Describe and discuss haemodynamics of circulatory system
- PY5.8 Describe and discuss local and systemic cardiovascular regulatory mechanisms
- PY5.9 Describe the factors affecting heart rate, regulation of cardiac output & blood pressure
- PY5.10 Describe & discuss regional circulation including microcirculation, lymphatic circulation, coronary, cerebral, capillary, skin, foetal, pulmonary and splanchnic circulation
- PY5.11 Describe the patho-physiology of shock, syncope and heart failure
- PY5.12 Record blood pressure & pulse at rest and in different grades of exercise and postures in a volunteer or simulated environment
- PY5.13 Record and interpret normal ECG in a volunteer or simulated environment
- PY5.14 Observe cardiovascular autonomic function tests in a volunteer or simulated environment
- PY5.15 Demonstrate the correct clinical examination of the cardiovascular system in a normal volunteer or simulated environment
- PY5.16 Record Arterial pulse tracing using finger plethysmography in a volunteer or simulated environment

Respiratory Physiology

- PY6.1 Describe the functional anatomy of respiratory tract
- PY6.2 Describe the mechanics of normal respiration, pressure changes during ventilation, lung volume and capacities, alveolar surface tension, compliance, airway resistance, ventilation, V/P ratio, diffusion capacity of lungs
- PY6.3 Describe and discuss the transport of respiratory gases: Oxygen and Carbon dioxide
- PY6.4 Describe and discuss the physiology of high altitude and deep sea diving
- PY6.5 Describe and discuss the principles of artificial respiration, oxygen therapy, acclimatization and decompression sickness.
- PY6.6 Describe and discuss the pathophysiology of dyspnoea, hypoxia, cyanosis asphyxia; drowning, periodic breathing
- PY6.7 Describe and discuss lung function tests & their clinical significance
- PY6.8 Demonstrate the correct technique to perform & interpret Spirometry
- PY6.9 Demonstrate the correct clinical examination of the respiratory system in a normal volunteer or simulated environment
- PY6.10 Demonstrate the correct technique to perform measurement of peak expiratory flow rate in a normal volunteer or simulated environment

Renal Physiology

- PY7.1 Describe structure and function of kidney
- PY7.2 Describe the structure and functions of juxta glomerular apparatus and role of renin-angiotensin system
- PY7.3 Describe the mechanism of urine formation involving processes of filtration, tubular reabsorption & secretion; concentration and diluting mechanism
- PY7.4 Describe & discuss the significance & implication of Renal clearance

- PY7.5 Describe the renal regulation of fluid and electrolytes & acid-base balance
- PY7.6 Describe the innervations of urinary bladder, physiology of micturition and its abnormalities
- PY7.7 Describe artificial kidney, dialysis and renal transplantation
- PY7.8 Describe & discuss Renal Function Tests
- PY7.9 Describe cystometry and discuss the normal cystometrogram

Endocrine Physiology

- PY8.1 Describe the physiology of bone and calcium metabolism
- PY8.2 Describe the synthesis, secretion, transport, physiological actions, regulation and effect of altered (hypo and hyper) secretion of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas and hypothalamus
- PY8.3 Describe the physiology of Thymus & Pineal Gland
- PY8.4 Describe function tests: Thyroid gland; Adrenal cortex, Adrenal medulla and pancreas
- PY8.5 Describe the metabolic and endocrine consequences of obesity & metabolic syndrome, Stress response. Outline the psychiatry component pertaining to metabolic syndrome.
- PY8.6 Describe & differentiate the mechanism of action of steroid, protein and amine hormones

Reproductive Physiology

- PY9.1 Describe and discuss sex determination; sex differentiation and their abnormalities and outline psychiatry and practical implication of sex determination.
- PY9.2 Describe and discuss puberty: onset, progression, stages; early and delayed puberty and outline adolescent clinical and psychological association.
- PY9.3 Describe male reproductive system: functions of testis and control of spermatogenesis & factors modifying it and outline its association with psychiatric illness
- PY9.4 Describe female reproductive system: (a) functions of ovary and its control; (b) menstrual cycle - hormonal, uterine and ovarian changes
- PY9.5 Describe and discuss the physiological effects of sex hormones
- PY9.6 Enumerate the contraceptive methods for male and female. Discuss their advantages & disadvantages
- PY9.7 Describe and discuss the effects of removal of gonads on physiological functions
- PY9.8 Describe and discuss the physiology of pregnancy, parturition & lactation and outline the psychology and psychiatry-disorders associated with it.
- PY9.9 Interpret a normal semen analysis report including (a) sperm count, (b) sperm morphology and (c) sperm motility, as per WHO guidelines and discuss the results
- PY9.10 Discuss the physiological basis of various pregnancy tests
- PY9.11 Discuss the hormonal changes and their effects during perimenopause and menopause
- PY9.12 Discuss the common causes of infertility in a couple and role of IVF in managing a case of infertility.

Neurophysiology

- PY10.1 Describe and discuss the organization of nervous system
- PY10.2 Describe and discuss the functions and properties of synapse, reflex, receptors
- PY10.3 Describe and discuss somatic sensations & sensory tracts
- PY10.4 Describe and discuss motor tracts, mechanism of maintenance of tone, control of body movements, posture and equilibrium & vestibular apparatus

- PY10.5 Describe and discuss structure and functions of reticular activating system, autonomic nervous system (ANS)
- PY10.6 Describe and discuss Spinal cord, its functions, lesion & sensory disturbances
- PY10.7 Describe and discuss functions of cerebral cortex, basal ganglia, thalamus, hypothalamus, cerebellum and limbic system and their abnormalities
- PY10.8 Describe and discuss behavioural and EEG characteristics during sleep and mechanism responsible for its production
- PY10.9 Describe and discuss the physiological basis of memory, learning and speech
- PY10.10 Describe and discuss chemical transmission in the nervous system. (Outline the psychiatry element).
- PY10.11 Demonstrate the correct clinical examination of the nervous system: Higher functions, sensory system, motor system, reflexes, cranial nerves in a normal volunteer or simulated environment
- PY10.12 Identify normal EEG forms S S Y Small group teaching OSPE/Viva voce Psychiatry
- PY10.13 Describe and discuss perception of smell and taste sensation
- PY10.14 Describe and discuss patho-physiology of altered smell and taste sensation
- PY10.15 Describe and discuss functional anatomy of ear and auditory pathways & physiology of hearing
- PY10.16 Describe and discuss pathophysiology of deafness. Describe hearing tests
- PY10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light Reflex
- PY10.18 Describe and discuss the physiological basis of lesion in visual pathway
- PY10.19 Describe and discuss auditory & visual evoke potentials
- PY10.20 Demonstrate (i) Testing of visual acuity, colour and field of vision and (ii) hearing (iii) Testing for smell and (iv) taste sensation in volunteer/ simulated environment

Integrated Physiology

- PY11.1 Describe and discuss mechanism of temperature regulation
- PY11.2 Describe and discuss adaptation to altered temperature (heat and cold)
- PY11.3 Describe and discuss mechanism of fever, cold injuries and heatstroke
- PY11.4 Describe and discuss cardio-respiratory and metabolic adjustments during exercise; physical training effects
- PY11.5 Describe and discuss physiological consequences of sedentary lifestyle
- PY11.6 Describe physiology of Infancy
- PY11.7 Describe and discuss physiology of aging; free radicals and antioxidants
- PY11.8 Discuss & compare cardio-respiratory changes in exercise (isometric and isotonic) with that in the resting state and under different environmental conditions (heat and cold)
- PY11.9 Interpret growth charts
- PY11.10 Interpret anthropometric assessment of infants
- PY11.11 Discuss the concept, criteria for diagnosis of Brain death and its implications
- PY11.12 Discuss the physiological effects of meditation
- PY11.13 Obtain history and perform general examination in the volunteer/simulated environment
- PY11.14 Demonstrate Basic Life Support in a simulated environment

- **TEACHING LEARNING METHODS**

- Interactive lectures
- DOAP (Demonstration-Observation - Assistance- Performance) Sessions: Hematology experiments, Human experiments including Clinical examination, Computer assisted learning of frog and mammalian experiments, Demonstration of some human experiments
- Small Group Discussions
- Student seminars
- Graphs and charts to be made in the departments to teach different principles of physiology, as well as pathophysiology, and to provide problem-solving exercises.
- Early Clinical Exposure
- Self-Directed Learning

Integration

- Efforts are to be made to encourage integrated teaching between medical subjects. At the end of this teaching the student shall acquire an Integrated knowledge of organ structure, physiological and biochemical function, its regulatory mechanisms, its pathophysiology and principles of management.
- **AETCOM Modules**
- AETCOM (Attitude, Ethics & Communication) modules for the first year would be taught through various teaching learning methodologies and would also be assessed.

- **ASSESSMENT**

a) Formative Assessment: Formative assessment shall be done periodically throughout the course.

- i) **Log Book:** Log book is to be maintained to record all activities like seminar, symposia, early clinical exposure, AETCOM modules and other academic activities. It has to be submitted to the department regularly and would be assessed regularly.
- ii) **Certifiable competencies:** Achievement of certifiable competencies would also be recorded in logbooks. The student must have completed the required certifiable competencies and completed the log book to be eligible for appearing at the final university examination.

b) Internal Assessment:

- i) No less than three internal assessment exams shall be conducted during the course.
- ii) Up To twenty percent IA marks (Theory and Practical) would be from Log book assessment.
- iii) 50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations.

c) Summative Assessment:

University (Professional) examination: Will have Theory, viva and practical examinations.

- i) **THEORY PAPERS**

There shall be two theory papers. The student must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass.

Each paper shall be of 03 hours duration and 100 marks.

THEORY PAPER - PHYSIOLOGY

PAPER – I (100 Marks)

Topics:

Blood, CVS, Respiration, Kidney, GIT including Nutrition, and Integrated Physiology

PAPER – II (100 Marks)

Topics:

Gen Physiology, Nerve – Muscle Physiology, CNS, Special Senses, Endocrines, Reproduction and Integrated Physiology

THEORY QUESTION PAPER FORMAT
(Applicable for Paper- I and Paper-II)

Part I

Q 1. Objective Type Questions including MCQs	10*2=20
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Part II

Q 2a. Long structure question / Problem based question	10
Q 2b. Physiological / Clinical significance	4 * 2.5 = 10
Q 3. Write Short Notes	4 * 5= 20

Part III

Q4 a. Long structure question / Problem based question	10
Q4 b. Explain the following:	4*2.5 = 10
Q5. Describe Briefly / Short notes	4*5 = 20

ii) PRACTICALS & VIVA

1. Spotting/OSPE	10 marks
2. Problem solving exercise	10 marks
3. Graph and charts	05 marks
(including those pertaining to Amphibian nerve muscle and heart experiments)	
4. Human Experiment	15 marks
5. Haematology	15 marks
6. Clinical Exercise	10 marks
7. Practical record book	05 marks

Total	70 marks
VIVA	30 marks
Grand Total	100 marks

Note:

Internal Assessment: 50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations

University Examination: Mandatory 50% marks in theory and practical (theory=theory paper(s) only) (practical= practical/clinical + viva)

Internal assessment marks are not to be added to marks of the University examinations and should be shown separately in the grade card.

A candidate obtaining 75% marks in theory plus practicals shall be declared to have passed the subjects with Honors.

A maximum number of four permissible attempts would be available to clear the first Professional University examination, whereby the first Professional course will have to be cleared within 4 years of admission to the said course. Partial attendance at any University examination shall be counted as an availed attempt.

16. Amendment to Ordinance V (2) & VII. [E.C Res. 15-7 dated 31.08.2021] related to Bachelor of Ayurvedic Medicines and Surgery (BAMS)

AYURVEDACHARYA

BACHELOR OF AYURVEDIC MEDICINE AND SURGERY (BAMS)

(4½ years Degree Course plus one year Internship)

- There shall be a course of study for the Ayurvedacharya (Bachelor of Ayurveda Medicine and Surgery-BAMS) under the Faculty of Ayurvedic and Unani Medicine.
- Duration of Course:** The duration of the course shall be five years and six months comprising: -
 - First Professional - Twelve months
 - Second Professional - Twelve months
 - Third Professional - Twelve months
 - Final Professional - Eighteen months.
 - Compulsory Rotatory Internship - Twelve months
- Degree to be awarded:** The candidate shall be awarded Ayurvedacharya (Bachelor of Ayurvedic Medicine and Surgery-BAMS) degree after passing all the examinations and completion of prescribed course of study extending over the prescribed period, and thereafter satisfactorily completing the compulsory rotatory internship extending over twelve months.
- Admission to the BAMS Course**
 - Age Requirement:**

No candidate shall be admitted to B.A.M.S Degree Course unless he has attained the age of seventeen years on or before the 31st December of the year of his admission in the first year of the course and not more than of twenty-five years on or before the 31st December of the year of admission in the first year of the course:

Provided that the upper age limit may be relaxed by five years in the case of the Scheduled Castes, Scheduled Tribes, Other Backward Classes and physically handicapped candidates.

(ii) Qualifying Examination:

(a) 85% Delhi Quota

The candidates seeking admission to Ayurvedacharya (Bachelor of Ayurvedic Medicine and Surgery-BAMS) Course must have passed Intermediate/Sr. School Certificate Examination(C.B.S.E)/Indian school Certificate Examination(12 years course) with Science subjects (Physics, Chemistry & Biology) and English or any other equivalent qualification recognized by the University with 50% or more marks in the aggregate of three subjects i.e. Physics, Chemistry, Biology and has passed English from the recognized school/Board conducting regular classes situated within the NCT of Delhi.

However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes or other backward classes, the marks obtained in Physics, Chemistry & Biology taken together in qualifying examination be 40% .

In respect of persons with disability candidate specified under the Rights of Persons with Disabilities Act, 2016 (49 of 2016), the minimum qualifying marks in the said qualifying examination in Physics, Chemistry & Biology shall be 45% in case of General Category and 40% in case of the Scheduled Castes, Scheduled Tribes and Other Backward Classes.

The candidates who have passed the qualifying examination from Patrachar Vidyalaya and National Open School may be eligible for admission provided their study centres and the examination centres were within the National Capital Territory of Delhi.

(b) 15% All India Quota

The candidates must have passed the prescribed qualifying examination from a recognized Indian University/Board.

Note:

- (i) Provided that the candidate must have passed the required subjects (Physics, Chemistry, Biology & English) separately for admission BAMS Courses.

(c) Eligibility Criteria

- (i) There shall be a uniform entrance examination for all medical institutions at the under-graduate level, namely the National Eligibility Entrance Test (NEET) for admission to under-graduate course in each academic year and shall be conducted by an authority designated by the Central Government:

- (ii) In order to be eligible for admission to under-graduate course for an academic year, it shall be necessary for a candidate to obtain minimum of marks at 50th percentile in the 'National Eligibility Entrance Test for undergraduate course' held for the said academic year:

Provided that in respect of-

- (i) candidates belonging to the Scheduled Castes, Scheduled Tribes and Other Backward Classes, the minimum marks shall be at 40th percentile;
- (ii) candidates with benchmark disabilities specified under the Rights of Persons with Disabilities Act, 2016 (49 of 2016), the minimum marks shall be at 45th percentile in the case of general category and 40th percentile in the case of the Scheduled Castes, Scheduled Tribes and Other Backward Classes.

Explanation.—The percentile shall be determined on the basis of highest marks secured in the all India common merit list in the National Eligibility Entrance Test for under-graduate courses: Provided further that when sufficient number of candidates in the respective categories fail to secure minimum marks in the National Eligibility Entrance Test, as specified above, held for any academic year for admission to under-graduate courses, the Central Government in consultation with the Central Council may at its discretion lower the minimum marks required for admission to under-graduate course for candidates belonging to respective categories and marks so lowered by the Central Government shall be applicable for that academic year only.

- (iii) An all India common merit list as well as State-wise merit list of the eligible candidates shall be prepared on the basis of the marks obtained in the National Eligibility Entrance Test and the candidates, within the respective categories, shall be admitted to under-graduate course from the said merit lists only.
 - (iv) The seat matrix for admission in the Government, Government- aided Institutions and Private Institutions shall be fifteen per cent for the all India quota and eighty-five per cent for the Delhi quota.
 - (v) The counselling for all admission to B.A.M.S Course for seats under all India quotas as well as for all Ayurveda educational institutions established by the Central Government shall be conducted by the authority designated by the Central Government.
 - (vi) No candidate who has failed to obtain the minimum eligibility marks as specified above shall be admitted to under-graduate course in the said academic year.
 - (vii) For foreign national candidates any other equivalent qualification to be approved by the Central Government may be allowed.
 - (viii) The eligibility criteria for the admission to BAMS course will be subject to change of guidelines issued by Ministry of AYUSH time to time as the case may be.
- (B) Closure of admissions** - The admissions of the Ayurvedacharya (Bachelor of Ayurvedic Medicine and Surgery-BAMS) under the Faculty of Ayurvedic and Unani Medicine shall close on 31st of October every year or as directed by Central Govt.

(C) Medium of instruction:

Hindi/English will be the Medium of Instruction & Examination for BAMS Degree Course and in examination.

(D) Reservation of seats-

- (i) **Scheduled Cast/ Scheduled Tribe/Other Backward Classes-** 15% seats are reserved for Scheduled Cast, 7½% for Scheduled Tribe and 27% for Other Backward Classes.
- (ii) **Children and wives of armed and paramilitary persons (CW)** - 5% seats are reserved on compartmental horizontal basis for the candidates belonging to this category.
- (iii) **Persons with Disability (PWD)** - 5% seats are reserved on compartmental horizontal basis for the candidates belonging to this category.

Five percent of the annual sanctioned intake capacity in Government or Government-aided Institutions shall be filled up by candidates with benchmark disabilities in accordance with the provisions of the Rights of Persons with Disabilities Act, 2016 (49 of 2016), based on the merit list of National Eligibility Entrance Test or equivalent eligibility test prescribed by the CCIM/Ministry of AYUSH.
- (iv) **EWS:** - The seats reserved for EWS category as per the allotment of the seats by Ministry of AYUSH or the guidelines issued by the Central Government from time to time.

(v) Central Pool (Government of India nominee) Quota

Note: - The details shall be given in Bulletin of Information(BOI).

5. Migration- Migration (to and fro) is not permitted in Ayurvedacharya (Bachelor of Ayurvedic Medicine and Surgery-BAMS) course in any colleges of University/ Inter-University.

6. Every Candidate seeking admission to the BAMS course must pursue a Course of Study as a whole-time regular student in the College affiliated to the University.

7. Scheme of examination and Appearance in Examination:

(i) First professional

- (a) The first professional session shall ordinarily start in July and the first professional examination shall be at the end of one academic year of first professional session;
- (b) The first professional examination shall be held in the following subjects,namely:-
 - (i) Padarth Vigyan evam Ayurved Itihas;
 - (ii) Sanskrit;
 - (iii) Kriya Sharir (Physiology);
 - (iv) Rachana Sharir (Anatomy); and
 - (v) Maulik Siddhant evam Ashtanga Hridaya (SutraSthan);
- (c) The failed student of first Professional shall be allowed to appear in second professional examination, but the student shall not be allowed to appear in third professional examination unless the student passes all the subjects of first professional examination and maximum **four chances** shall be given to pass first professional examination within a period of maximum three years.

(ii) Second professional

- (a) The second professional session shall start every year in the month of July following completion of first professional examination and the second professional examination shall be ordinarily held and completed by the end of month of May or June every year after completion of one year of second professional session;
- (b) The second professional examination shall be held in the following subjects, namely:-
 - (i) Dravyaguna Vigyan (Pharmacology and Materia Medica);
 - (ii) Rasashastra evam Bhaishajya Kalpana (Pharmaceutical Science);
 - (iii) Roga Nidan evam Vikriti Vigyan (Diagnostic Procedure and Pathology); and
 - (iv) Charak Samhita-Purvardh (an ancient Ayurvedic text, Part-I);
- (c) The failed student of second professional who have passed all the subjects of first professional examination shall be allowed to appear in third professional examination, but the student shall not be allowed to appear in final professional examination unless the student passes all the subjects of second professional examination and maximum **four chances** shall be given to pass second professional examination within a period of maximum three years.

(iii) Third professional

- (a) The third professional session shall start every year in the month of July following completion of second professional examination and the third professional examination shall be ordinarily held and completed by the end of the month of May or June every year after completion of one year of third professional session;
- (b) The third professional examination shall be held in the following subject, namely: -
 - (i) Agad Tantra Vyavahar Ayurveda evam Vidhi Vaidyaka (Toxicology and Medical Jurisprudence);
 - (ii) Charak Samhita-Uttarardh (an ancient Ayurvedic text, Part-II);
 - (iii) Swasthavritta and Yoga (Preventive and Social Medicine and Yoga);
 - (iv) Prasuti evam Striroga (Obstetrics & Gynaecology); and
 - (v) Bal Roga (Paediatrics);
- (c) The failed student of third professional who have passed all the subjects of first and second professional examinations shall be allowed to appear in final professional examination and maximum **four chances** shall be given to pass third professional examination within a period of maximum three years.

(iv) Final Professional

- (a) The final professional session shall be of one year and six months duration and shall start every year in the month of July following completion of third professional examination and the final professional examination shall be ordinarily held and completed by the end of month of October or November every year after completion of one year and six months of final professional session;
- (b) The final professional examination shall comprise of the following subjects, namely:-
 - (i) Shalya Tantra (General Surgery);
 - (ii) Shalakya Tantra (Diseases of Head and Neck including Ophthalmology, Ear, Nose, Throat and Dentistry);
 - (iii) Kayachikitsa (Internal Medicine-including Manas Roga, Rasayan and Vajikarana);
 - (iv) Panchakarma;and
 - (v) Research Methodology and Medical-statistics;

- (c) Research Methodology shall remain in the department of Samhita Siddhant but for the purpose of teaching, Bio- statistician shall be mandatorily required as part time to teach Research Methodology;
- (d) The student failed in any of the **four professional examinations in four chances shall not be allowed to continue his or her studies: Provided that, in case of serious personal illness of a student and in any unavoidable circumstances, the Vice- Chancellor of the concerned University may provide one more chance** in any one of four professional examinations;
- (e) To become eligible for joining the compulsory internship programme, all four professional examinations shall be passed within a period of maximum **nine years** including all chances as mentioned above.

8. Compulsory Rotatory Internship

- 1) The duration of Compulsory Rotatory Internship shall be one year and the student shall be eligible to join the compulsory internship programme after passing all the subjects from first to the final professional examination and the internship programme shall be start after the declaration of the result of final professional examination.
- 2) The Internship Programme and time distribution shall be as follows:-
 - (a) the interns shall receive an orientation regarding programme details of internship programme along with the rules and regulations, in an orientation workshop, which shall be organised during the first three days of the beginning of internship programme and a work book shall be given to each intern, in which the intern shall enter date-wise details of activities undertaken by him or her during his or her training;
 - (b) every intern shall provisionally register himself with the concerned State Board or Council and obtain a certificate to this effect before joining the internship program;
 - (c) the daily working hours of intern shall be not less than eight hours;
 - (d) No intern shall remain absent from his hospital without prior permission from Head of Department or Medical Superintendent of the Hospital.
 - (e) normally one-year internship programme shall be divided into clinical training of six months in the Ayurvedic hospital attached to the college and six months in Primary Health Centre or Community Health Centre or Rural Hospital or District Hospital or Civil Hospital or any Government Hospital of modern medicine:

Provided that where there is no provision or permission of the State Government for allowing the graduate of Ayurveda in the hospital or dispensary of Modern Medicine, the one-year Internship shall be completed in the Hospital of Ayurvedic College.

- 3) The clinical training of six or twelve months, as case may be, in the Ayurvedic hospital attached to the college or in non-teaching hospitals approved by Central Council of Indian Medicine shall be conducted as follows:-

Sr.no.	Departments	Distribution of six months	Distribution of twelve months
(i)	Kayachikitsa	Two months	Four Months
(ii)	Shalya	One month	Two months
(iii)	Shalakya	One month	Two months
(iv)	PrasutievamStriroga	One month	Two months
(v)	Balroga-Kaumarabhritya	Fifteen days	One month
(vi)	Panchakarma	Fifteen days	One month

- 4) Six months training of interns shall be carried out with an object to orient and acquaint the intern with the National health Programme and the intern shall undertake such training in one of the following institutes, namely:-

- a. Primary Health Centre;
- b. Community Health Centre or District Hospital;
- c. Any recognised or approved hospital of modern medicine;
- d. Any recognised or approved Ayurvedic hospital or Dispensary:

Provided that all the above institutes mentioned in clauses (a) to (d) shall have to be recognised by the concerned University and concerned Government designated authority for taking such a training.

- 5) **Detailed Guidelines for internship programme-** The guidelines for conducting the internship clinical training of six or twelve months in the Ayurvedic Hospital attached to the college and the intern shall undertake the following activities in the respective department as shown below:-

- a. **Kayachikitsa-** The duration of internship in this department shall be two months or four months with following activities: -

- (i) all routine works such as case taking, investigations, diagnosis and management of common diseases by Ayurvedic Medicine;
- (ii) routine clinical pathological work such as haemoglobin estimation, complete haemogram, urine analysis, microscopic examination of blood parasites, sputum examination, stool examination, Mutra evam Mala pariksha by Ayurvedic method, interpretation of laboratory data and clinical findings and arriving at a diagnosis;
- (iii) training in routine ward procedures and supervision of patients in respect of their diet, habits and verification of medicine schedule;

- b. **Panchakarma-** The duration of internship in this department shall be fifteen days or one month with following activities:-

- (i) Panchakarma procedures and techniques regarding purva karma, pradhankarma and pashchat Karma;

- c. **Shalya-** The duration of internship in this department shall be one month or two months and intern shall be practically trained to acquaint with the following activities:-

- (i) diagnosis and management of common surgical disorders according to Ayurvedic principles;
- (ii) management of certain surgical emergencies such as fractures and dislocations, acute abdomen;
- (iii) practical training of aseptic and antiseptics techniques, sterilization;
- (iv) intern shall be involved in pre-operative and post-operative managements;
- (v) practical use of anesthetic techniques and use of anesthetic drugs;
- (vi) radiological procedures, clinical interpretation of X-ray, Intra Venous Pyelogram, Barium meal, Sonography and Electro Cardio Gram;
- (vii) surgical procedures and routine ward techniques such as-
 1. suturing of fresh injuries;
 2. dressing of wounds, burns, ulcers and similar ailments;

3. incision of abscesses;
 4. excision of cysts;
 5. venesection; and
 6. application of Ksharasutra in ano rectal diseases;
- d. Shalakya-** The duration of internship in this department shall be one month or two months and intern shall be practically trained to acquaint with the following activities:-
- (i) diagnosis and management of common surgical disorders according Ayurvedic principles;
 - (ii) intern shall be involved in Pre-operative and Post-operative managements;
 - (iii) surgical procedures in Ear, Nose, Throat, Dental problems, Ophthalmic problems;
 - (iv) examinations of Eye, Ear, Nose, Throat and Refractive Error with the supportive instruments in Out-Patient Department; and
 - (v) procedures like Anjana Karma, Nasya, Raktamokshan, Karnapurana, Shirodhara, Putrak, Kawal, Gandush at Out-Patient Department level;
- e. Prasuti evam Striroga-** The duration of internship in this department shall be one month or two months and intern shall be practically trained to acquaint with the following activities:-
- (i) antenatal and post-natal problems and their remedies, antenatal and post-natal care;
 - (ii) management of normal and abnormal labours; and
 - (iii) minor and major obstetric surgical procedures;
- f. Balroga-** The duration of internship in this department shall be fifteen days or one month and intern shall be practically trained to acquaint with the following activities:-
- (i) antenatal and post-natal problems and their remedies, antenatal and post-natal care also by Ayurvedic principles and medicine;
 - (ii) antenatal and post-natal emergencies;
 - (iii) care of new born child along with immunization programme; and
 - (iv) important pediatric problems and their Ayurvedic managements
- 6) The Internship training in Primary Health Centre or Rural Hospital or District Hospital or Civil Hospital or any Government Hospital of modern medicine or Ayurvedic Hospital or Dispensary- During the six months internship training in Primary Health Centre or Rural Hospital or Community Health Centre or District Hospital or any recognised or approved hospital of Modern Medicine or Ayurvedic Hospital or Dispensary, the interns shall–
- (i) get acquainted with routine of the Primary Health Centre and maintenance of their records;
 - (ii) get acquainted with the diseases more prevalent in rural and remote areas and their management;
 - (iii) involve in teaching of health care methods to rural population and also various immunization programmes;
 - (iv) get acquainted with the routine working of the medical or non-medical staff of Primary Health Centre and be always in contact with the staff in this period;
 - (v) get familiarised with the work of maintaining the relevant register like daily patient register, family planning register, surgical register and take active participation in different Government health schemes or programmes;

- (vi) participate actively in different National Health Programmes implemented by the State Government; and
- (vii) participate actively in casualty section of the hospital in identification of casualty and trauma cases and their first aid treatment and also procedure for referring such cases to the identified hospitals.

9. Assessment - After completing the assignment in various Sections/Departments, the interns have to obtain a completion certificate from the head of the Section/Department, in respect of their devoted work in the Section/ Department, concerned and finally submitted to Principal or Head of the institute so that completion of successful internship can be granted.

10.

(1) Number of papers and marks for theory and practical or viva-voce:

Name of the subject	Number of hours of teaching			Details of maximum marks			
	Theory	practical	Total	No of papers	Theor y	Practical Or Viva-voce	Total
1st Professional							
1. Padarth Vigyan evam AyurvedKa Itihas	100	---	100	Two	200	---	200
2. Sanskrit	200	---	200	One	100	---	100
3. Kriya Sharir	200	200	400	Two	200	100	300
4. Rachana Sharir	300	200	500	Two	200	100	300
5. Maulik Siddhant evam Asthanga Hridyaya (SutraSthan)	150	---	150	One	100	50	150
2nd Professional							
1. Dravyaguna Vigyan	200	200	400	Two	200	200	400
2. Roga Nidanevam Vikriti Vigyan	200	200	400	Two (01 – Pathology 01- Ayurveda)	200	100	300
3. Rasashastra evam Bhaishjya Kalpa na	200	200	400	Two	200	200	400
4. Charak Samhita (Purvardh)	200	---	200	One	100	50	150
3rd Professional							
1. Agad Tantra, Vyavhar Ayurvedevam Vidhi Vaidyak	200	100	300	One	100	50	150
2. Swasthavritta and Yoga	200	100	300	Two	200	100	300

3. Prasuti evam Striroga	200	200	400	Two	200	100	300
4. Balroga	100	100	200	One	100	50	150
5. Charak Samhita (Uttarardh)	200	--	200	One	100	50	150
Final Professional							
1. Kayachikitsa	300	200	500	Two	200	100	300
2. Panchakarma	100	200	300	One	100	50	150
3. Shalya Tantra	200	150	350	Two	200	100	300
4. Shalakya Tantra	200	150	350	Two	200	100	300
5. Research Methodology and Medical Statistics	50	--	50	One	50	---	50

Note : -The period of theory and practical shall not be less than sixty minutes (one hour) and the duration of the practical of clinical subjects and Rachana Sharir (dissection) shall be of at least one hundred and twenty minutes (two hours)

(2) The clinical training in the hospital attached with college to the students shall be as follows:

(i) Kayachikitsa (Indoor and outdoor): Eighteen months

- (a) Kayachikitsa (Samanya)- Six months
- (b) Manasroga – Three months
- (c) Rasayan and Vajikaran – Three months
- (d) Panchakarma – Three months
- (e) Rog Nidan evam Vikriti Vigyan – Three months

(ii) Shalya (Indoor and Outdoor): Nine months

- (a) Shalya (Samanya)-Three months (minimum one-month in Operation Theatre)
- (b) Shalya (Kshar and Anushastra Karma)- Three months (minimum one-month in Operation Theatre)
- (c) Ksharsutra – Two months
- (d) Anaesthesia – Fifteen Days
- (e) Radiology – Fifteen days
- (iii) Shalakya Tantra (Indoor and Outdoor) : Four months (minimum one-month in Operation Theatre)
- (iv) Prasuti evam Striroga (Outdoor and Indoor) : Three months
- (v) Kumarbhritya (Outdoor and Indoor) : One month
- (vi) Atayik (casualty) : Two months

Note:- Clinical training shall be completed as per MSE of CCIM 2016. The Head of the Institution/Principal ensure the proportionate of the clinical training period.

11. Examination

- (1) The theory examination shall have minimum twenty percent short answer questions having maximum mark up to forty per cent and minimum four questions for long explanatory answer having maximum marks up to sixty percent and these questions shall cover entire syllabus of subject.

Note:- Paper shall be of three hours duration and shall consist of three parts, A,B & C. Parts A & B shall be checked by external examiners and Part C shall be checked by internal examiner.

Paper Pattern will be as under

Paper	Part A- 1. Long Question (15 Marks) not less than 250 words 2. Short Question (9 marks) not more than 50 words 3. Very Short Question (8 Marks) not more than 25 words	1 No. x 15 3 No. x 3 4 No. x 2	32 Marks
	Part B- 4. Long Question (15 Marks) not less than 250 words 5. Short Question (9 marks) not more than 50 words 6. Very Short Question (8 Marks) not more than 25 words	1 No. x 15 3 No. x 3 4 No. x 2	32 Marks
	Part C- 7. Long Question (15 Marks) not less than 250 words 8. Short Question (6 marks) not more than 50 words	2 No. x 15 (Attempt any 2 out of 3) 2 No. x 3 (Attempt any 2 out of 3)	36 Marks
	Total marks 100 Total Duration of paper: 3 Hours		

- (2) The supplementary examination shall be held within six months of regular examination and failed students shall be eligible to appear in its supplementary examination, as the case maybe.
- (3) Each student shall be required to maintain seventy-five per cent. attendance in each subject (in theory and practical) for appearing in the examination and in this regard a class attendance card shall be maintained for each student for the different subjects and the Principal shall arrange to obtain the signature of the students, teachers at the end of each course of lectures and practical instructions and send the cards to each Head of the Department for final completion before the commencement of each examination.
- (4) In case a student fails to appear in regular examination for cognitive reason, he or she shall appear in supplementary examination as regular students, whose non- appearance in regular examination shall not be treated as an attempt and such students after passing examination shall join the studies with regular students and appear for next professional examination after completion of the required period of study.

- (5) The following facts may be taken into consideration in determining class work in the subject-
- (a) Regularity in attendance;
 - (b) Periodical tests; and
 - (c) Practical work.

12. Pass Marks:-

- (1) The minimum marks required for passing the examination shall be fifty percent in theory and fifty percent in practical or clinical or viva-voce, wherever applicable separately in each subject.
- (2) A passed candidate will be awarded division as follows
 - (i) Distinction 75% marks or above in the aggregate.
 - (ii) First Division 60% marks or above in the aggregate.
 - (iii) Second Division 50% marks or above in the aggregate.

13. Grace Marks: - The grace marks upto a maximum of 10 marks may be awarded at the discretion of the University to an Examinee for clearing (Passing) the examination as a whole (irrespective of the number of subjects) but not for clearing a subject resulting in exemption.

14. For all other matters which have not been provided in this Ordinance, the Guidelines issued by CCIM/Ministry of AYUSH, from time to time, will be followed.

17. Amendment to Ordinance V (2) & VII. [E.C Res. 15-7 dated 31.08.2021] regarding Bachelor of Unani Medicines & Surgery - BUMS

Kamil-e-Tibb-o-Jarahat

BACHELOR OF UNANI MEDICINE & SURGERY-BUMS

1. There shall be a course of study for the Kamil-e-Tibb-o-Jarahat (Bachelor of Unani Medicine and Surgery-BUMS) under the Faculty of Ayurvedic and Unani Medicine.

2.

(A) Admission to the BUMS Course-

(i) Age Requirement:

No candidate shall be admitted to B.U.M.S Degree Course unless he has attained the age of seventeen years on or before the 31st December of the year of his admission in the first year of the course and not more than of twenty-five years on or before the 31st December of the year of admission in the first year of the course:

Provided that the upper age limit may be relaxed by five years in the case of the Scheduled Castes, Scheduled Tribes, Other Backward Classes and physically handicapped candidates.

(ii) Qualifying Examination

(a) 85% Delhi Quota

The candidates seeking admission to Kamil-e-Tibb-of-Jarahat (Bachelor of Unani Medicine and Surgery-BUMS) Course must have passed Intermediate/Senior School Certificate Examination(C.B.S.E)/Indian School Certificate Examination (12 years course) with Science subjects (Physics, Chemistry & Biology) and English or any other equivalent qualification recognized by the University with 50% or more marks in the aggregate of three subjects i.e. Physics, Chemistry, Biology and has passed English from the recognized school/Board conducting regular classes situated within the NCT of Delhi.

However, in respect of candidates belonging to Scheduled Castes, Scheduled Tribes or other backward classes, the marks obtained in Physics, Chemistry & Biology taken together in qualifying examination be 40%.

In respect of persons with disability candidate specified under the Rights of Persons with Disabilities Act, 2016 (49 of 2016), the minimum qualifying marks in the said qualifying examination in Physics, Chemistry & Biology shall be 45% in case of General Category and 40% in case of the Scheduled Castes, Scheduled Tribes and Other Backward Classes.

The candidates who have passed the qualifying examination from Patrachar Vidyalaya and National Open School may be eligible for admission provided their study centres and the examination centres were within the National Capital Territory of Delhi.

(b) 15% All India Quota

The candidates must have passed the prescribed qualifying examination from a recognized Indian University/Board.

Note:

- (i) Provided that the candidate must have passed the required subjects (Physics, Chemistry, Biology & English) separately for admission BUMS Courses.
- (ii) The candidate should have passed the 10th Class examination with Urdu or Arabic or Persian as a subject or an equivalent Examination recognized by Delhi University.

(c) Eligibility Criteria

- (i) There shall be a uniform entrance examination for all medical institutions at the under-graduate level, namely the National Eligibility Entrance Test (NEET) for admission to under-graduate course in each academic year and shall be conducted by an authority designated by the Central Government:
- (ii) In order to be eligible for admission to under-graduate course for an academic year, it shall be necessary for a candidate to obtain minimum of marks at 50th percentile in the 'National Eligibility Entrance Test for undergraduate course' held for the said academic year:

Provided that in respect of-

- (I) candidates belonging to the Scheduled Castes, Scheduled Tribes and Other Backward Classes, the minimum marks shall be at 40th percentile;
- (II) candidates with benchmark disabilities specified under the Rights of Persons with Disabilities Act, 2016 (49 of 2016), the minimum marks shall be at 45th percentile in the case of general category and 40th percentile in the case of the Scheduled Castes, Scheduled Tribes and Other Backward Classes.

Explanation— The percentile shall be determined on the basis of highest marks secured in the all India common merit list in the National Eligibility Entrance Test for under-graduate courses: Provided further that when sufficient number of candidates in the respective categories fail to secure minimum marks in the National Eligibility Entrance Test, as specified above, held for any academic year for admission to under- graduate courses, the Central Government in consultation with the Central Council may at its discretion lower the minimum marks required for admission to under-graduate course for candidates belonging to respective categories and marks so lowered by the Central Government shall be applicable for that academic year only.

- (iii) An all India common merit list as well as State-wise merit list of the eligible candidates shall be prepared on the basis of the marks obtained in the National Eligibility Entrance Test and the candidates, within the respective categories, shall be admitted to under-graduate course from the said merit lists only.
- (iv) The seat matrix for admission in the Government, Government-aided Institutions and Private Institutions shall be fifteen per cent for the all India quota and eighty-five per cent for the Delhi quota.
- (v) The counseling for all admission to B.U.M.S Course for seats under all India quotas as well as for all Unani educational institutions established by the Central Government shall be conducted by the authority designated by the Central Government.
- (vi) No candidate who has failed to obtain the minimum eligibility marks as specified above shall be admitted to under-graduate course in the said academic year.
- (vii) For foreign national candidates any other equivalent qualification to be approved by the University may be allowed.

(B) Closure of admissions- The admissions of the Kamil-e-Tibb-o-Jarahat (Bachelor of Unani Medicine and Surgery-BUMS) under the Faculty of Ayurvedic and Unani Medicine shall close on 31st of October every year or as directed by Central Govt.

(C) Medium of instruction and examinations- Medium of instruction.

-The medium of instruction for the course shall be Urdu or English.

(D) Reservation of seats-

- (i) **Scheduled Cast/ Scheduled Tribe/Other Backward Classes-** 15% seats are reserved for Scheduled Cast, 7½% for Scheduled Tribe and 27% for Other Backward Classes.
- (ii) **Children and wives of armed and paramilitary persons (CW)** - 5% seats are reserved on compartmental horizontal basis for the candidates belonging to this category.
- (iii) **Persons with Disability (PWD)** - 5% seats are reserved on compartmental horizontal basis for the candidates belonging to this category.

Five percent of the annual sanctioned intake capacity in Government or Government-aided Institutions shall be filled up by candidates with benchmark disabilities in accordance with the provisions of the Rights of Persons with Disabilities Act, 2016 (49 of

2016), based on the merit list of „National Eligibility Entrance Test or equivalent eligibility test prescribed by the CCIM/Ministry of AYUSH.

- (iv) **EWS:** - The seats reserved for EWS category as per the allotment of the seats by Ministry of AYUSH or the guidelines issued by the Central Government from time to time.
- (v) Central Pool (Government of India nominee) Quota

Note: - The details shall be given in Bulletin of Information (BOI).

3. **Migration-**Migration (to and fro) is not permitted in Kamil-e-Tibb-o-Jarahat (Bachelor of Unani Medicine and Surgery-BUMS) course in any colleges of University/Inter-University.
4. **Attendance-** A student is required to pursue Kamil-e-Tibb-o-Jarahat (Bachelor of Unani Medicine and Surgery-BUMS) course of study as a whole time regular student of college/institute of the University. Each student shall be required to have 75% of attendance in the lectures delivered in theory / practical / demonstration / clinical held in each subject separately during each year of course and each student shall also be required to participate in educational trips/tours /sports/cultural events organized/sponsored by college/institute during the year provided that principal of the college may exempt any student from such participation to the extent he/she deems necessary on the individual merit of each case. The student found deficient in mandatory 75% of attendance shall be required to complete by attending the no. of classes he/she is short from mandatory 75% of attendance.

5. Duration of Course-

(a) Degree (Bachelor of Unani Medicine and Surgery-B.U.M.S.) Course: The duration of course of study shall be Five Years and Six Months comprising:-

- (i) I Professional- 12 months
- (ii) II Professional- 12 months
- (iii) III Professional- 12 months
- (iv) Final Professional-18 months
- (v) Compulsory Rotatory Internship-12 months

(b) Name of papers and hours of teaching for theory and practical-

Name of the subject	Number of hours of Teaching		
	Theory	Practical	Total
First Professional			
1. Arabic and Mantiq wa Falsafa	100	-	100
2. Kulliyat Umoore Tabiya (Basic Principles of Unani Medicine)	100	100	200
3. Tashreehul Badan(Anatomy)* Paper (i)- Tashreeh –I Paper (ii)- Tashreeh – II	225	150	375
4. Munafeul Aaza(Physiology) Paper (i)- Munafeul Aza Umoomi wa Hayati Kimiya (General Physiology and Biochemistry)	225	150	375

Paper (ii)- Munafeul Aza Nizami (Physiology)			
<p>Note: *Tashreehul Badan Paper - I: General description of Connective tissues, Muscles, Nerves, Upper and Lower Limbs and organs of Head and Neck including basics of Embryology and Genetics like as Chromosomes, Pattern of inheritance, Cyto-genetics and Genetics of important diseases.</p> <p>Tashreehul Badan Paper – II: General description of Thorax, Abdomen and Pelvis and Applied and Gross Anatomical anomalies of different organs</p>			
Second Professional			
1. Tareekh-e Tib (History of Medicine)	100	-	100
2. Tahaffuzi wa Samaji Tib (Preventive and Community Medicine)	150	100	250
3. Ilmul Advia Paper (i) - Kulliyate Advia Paper (ii) - Advia Mufradah	200	100	300
4. Mahiyatul Amraz Paper (i) Mahiyatul Amraz Umoomiwa Ilmul Jaraseem Paper (ii)- Mahiyatul Amraz Nizamia	200	200	400
<p>Note: The students may be divided into three groups for practical or demonstration of Ilmul Advia-I (Advia Mufradah), Tahaffuzi wa Samaji Tib and Mahiyatul Amraz. For demonstration of Advia Mufradah, the student will be posted in Advia Museum and Herbal Garden regularly.</p>			
Third Professional			
1. Communication Skills	100	-	100
2. Ilmul Saidlaw Murakkabat Paper (i)- Ilmul Saidla Paper (ii)- Advia Murakkabah	140	100	240
3. Tibbe Qanooniwa Ilmul Samoom	100	50	150
4. Sareeriyat wa Usoole Ilaj	80	140	220
5. Ilaj bit Tadbeer	80	140	220
6. Amraze Atfal	80	50	130
<p>Note: For Practical training Ilmul Advia-II (Ilmul Saidlaw Murakkabat) and Tibbe Qanooniwa Ilmul Samoom, the students may be divided in two groups. Practicals in both the subjects may be held four days every week. The students will be posted in hospital, in various groups for clinical training of Ilaj bit Tadbeer, Sareeriyat and Amraze Atfal.</p>			
Final Professional			
1. Moalajat Paper (i): Amraz-e-Nizam-e-Dimagwa Aasab and Baah, Hummiyat Paper (ii): Amraz-e-Tanaffus, Dauran-e-Khon, Tauleed-e-Dam, Tihal Paper (iii): Amraz-e-Hazm, Baul o Tanasul, Amraz-e-Mutaddiyah, Hummiyat,	250	Clinical duties (in groups) In various sections of Hospital 3-4 hrs. per day	-

Amraz-e-mafasil			
2. Amraze Niswan	100		-
3. Ilmul Qabalat wa Naumaulood	100		-
4. Ilmul Jarahat Paper (i) - Jarahat Umoomi Paper (ii) - Jarahat Nizami	150		-
5. Ain, Uzn, Anf, Halaqwa Asnan	100		-
6. Amraze Jildwa Tazeeniyat	100		-

6. Examinations-

- (i) There shall be four examinations-
 - a) 1st professional BUMS examinations shall be held at the end of 1st Prof academic year.
 - b) 2nd professional BUMS examinations shall be held at the end of 2nd Prof academic year.
 - c) 3rd professional BUMS examinations shall be held at the end of 3rd Prof academic year.
 - d) 4th professional BUMS examinations shall be held at the end of 4th Prof academic year.
- (ii) Supplementary examinations shall be held within six months of the corresponding professional examinations.

7. Passing Criteria-

1. The minimum marks required for passing the examination shall be fifty percent in theory and fifty percent in practical or clinical or viva-voce, wherever applicable separately in each subject.
2. A passed candidate will be awarded division as follows:
 - (i) Distinction 75% marks or above in the aggregate.
 - (ii) First Division 60% marks or above in the aggregate.
 - (iii) Second Division 50% marks or above in the aggregate.

8. Promotional criteria-

(1) From 1st Prof to 2nd Prof

- (a) The first professional session shall ordinarily start in July and the first professional examination shall be at the end of one academic year of first professional session;
- (b) The first professional examination shall be held in the following subjects, namely:-
 - (i) Arabic and Mantiq wa Falsafa (Logic and Philosophy);
 - (ii) Kulliyat Umooore Tabiya (Basic Principles of Unani Medicine);
 - (iii) Tashreehul Badan (Anatomy);
 - (iv) Munafe ul Aaza (Physiology);
- (c) The failed student of first professional shall be allowed to appear in second professional examination, but the student shall not be allowed to appear in third professional

examination unless the student passes all the subjects of first professional examination and **maximum four chances** shall be given to pass first professional examination within a period of maximum three years.

(2) From 2nd Prof. to 3rd Prof.

- (a) The second professional session shall start every year in the month of July following completion of first professional examination and the second professional examination shall be ordinarily held and completed by the end of month of May or June every year after completion of one year of second professional session;
- (b) The second professional examination shall be held in the following subjects, namely:-
 - (i) Tareekh-e Tib (History of Medicine);
 - (ii) Tahaffuzi wa Samaji Tib (Preventive and Community Medicine);
 - (iii) Ilmul Advia (Pharmacology);
 - (iv) Mahiyatul Amraz (Pathology);
- (c) The failed student of second professional who have passed all the subjects of first professional examination shall be allowed to appear in third professional examination, but the student shall not be allowed to appear in final professional examination unless the student passes all the subjects of second professional examination and maximum four chances shall be given to pass second professional examination within a period of maximum three years.

(3) From 3rd Prof. to Final Prof.

- (a) The third professional session shall start every year in the month of July following completion of second professional examination and the third professional examination shall be ordinarily held and completed by the end of the month of May or June every year after completion of one year of third professional session;
- (b) The third professional examination shall be held in the following subjects, namely:-
 - (i) Communication Skills;
 - (ii) Ilmul Saidla wa Murakkabat (Pharmacy)
 - (iii) Tibbe Qanooni wallmul Samoom (Jurisprudence and Toxicology);
 - (iv) Sareeriyat wa Usoolellaj (Clinical Methods);
 - (v) Ilaj bit Tadbeer (Regimenal Therapy);
 - (vi) Ilmul Atfal (Paediatrics);
- (c) The failed student of third professional who have passed all the subjects of first and second professional examinations shall be allowed to appear in final professional examination and maximum four chances shall be given to pass third professional examination within a period of maximum three years.

(4) Final Prof. Examinations.

- (a) The final professional session shall be of one year and six months duration and shall start every year in the month of July following completion of third professional examination and the final professional examination shall be ordinarily held and completed by the end of the month of December every year after completion of one year and six months or final professional session;

(b) The final professional examination shall comprise of the following subjects, namely:-

- (i) Moalajat (General Medicine);
- (ii) Amraze Niswan (Gynaecology);
- (iii) Ilmul Qabalat wa Naumaulood (Obstetrics and Neonatology);
- (iv) Ilmul Jarahat (Surgery);
- (v) Ain, Uzn, Anf, Halaqwa Asnan (Eye, Ear, Nose, Throat and dentistry);
- (vi) Amraze Jildwa Tazeeniyat;

(c) The student failed in any of the four professional examinations in four chances shall not be allowed to continue his or her studies: Provided that, in case of serious personal illness of a student and in any unavoidable circumstances, the Vice-Chancellor of the concerned University may provide one more chance in anyone of four professional examinations;

(d) To become eligible for joining the compulsory internship programme, all four professional examinations shall be passed within a period of maximum nine years including all chances as mentioned above.

9. Scheme of examinations-

(1) Number of papers /marks for theory and practical examinations-

Name of Subject	Details of Maximum Marks			
	Number of paper	Theory	Practical	Total
First Professional				
1. Arabic and Mantiq wa Falsafa	One	100	-	100
2. Kulliyat Umoore Tabiya (Basic Principles of Unani Medicine)	One	100	100	200
3. Tashreehul Badan (Anatomy)* Paper (i)- Tashreeh –I Paper (ii)- Tashreeh - II	Two	100 100	100	300
4. Munafeul Aza (Physiology) Paper (i) - Munafeul Aza Umoomiwa Hayati Kimiya (General Physiology and Biochemistry) Paper (ii)- Munafeul Aza Nizami (Physiology)	Two	100 100	100	300
Second Professional				
1. Tareekhe Tib (History of Medicine)	One	100	-	100
2. Tahaffuzi wa Samaji Tib (Preventive and (Community Medicine)	One	100	100	200
3. Ilmul Advia Paper (i)- Kulliyate Advia Paper (ii)- Advia Mufradah	Two	100 100	100	300

4. Mahiyatul Amraz Paper(i)- Mahiyatul Amraz Umoomiwa Ilmul Jaraseem Paper (ii)- Mahiyatul Amraz Nizamia	Two	100 100	100	300
Third Professional				
1. Communication Skills	One	100		100
2. Ilmul Saidlaw Murakkabat Paper (i)- Ilmul Saidla Paper (ii)- Advia Murakkabah	Two	100 100	100	300
3. Tibbe Qanooni wa Ilmul Samoom	One	100	100	200
4. Sareeriyatwa Usoolellaj	One	100	100	200
5. Ilaj bit Tadbeer	One	100	100	200
6. Amraze Atfal	One	100	100	200
Final Professional				
1. Moalajat Paper –(i)- Amraz-e-Nizam-e- Dimagwa Aasab and Baah, Hummiyat Paper - (ii)- Amraz-e-Tanaffus, Dauran-e- Khon, Tauleed-e- Dam, Tihal Paper- (iii)- Amraz-e-Hazm, Baul o Tanasul, Amraz-e- Mutaddiyah, Hummiyat, Amraz-e-mafasil	Three	100 100 100	100	400
2. Amraze Niswan	One	100	100	200
3. Ilmul Qabalat wa Naumaulood	One	100	100	200
4. Ilmul Jarahat Paper (i)- Jarahat Umoomi Paper (ii)- Jarahat Nizami	Two	100 100	100	300
5. Ain, Uzn, Anf, Halaqwa Asnan	One	100	100	200
6. Amraze Jildwa Tazeeniyat	One	100	100	200

The theory examination shall have minimum twenty per cent short answer questions having maximum mark up to forty per cent and minimum four questions for long explanatory answer having maximum marks up to sixty per cent, and these questions shall cover entire syllabus of subject.

Note:- Paper shall be of three hours duration and shall consist of three parts, A,B & C. Parts A & B shall be checked by external examiners and Part C shall be checked by internal examiner.

Paper Pattern will be as under

Paper	Part A- 1. Long Question (15 Marks) not less than 250 words 2. Short Question (9 marks) not more than 50 words 3. Very Short Question (8 Marks) not more than 25 words	1 No. x 15 3 No. x 3 4 No. x 2	32 Marks
	Part B- 1. Long Question (15 Marks) not less than 250 words 2. Short Question (9 marks) not more than 50 words 3. Very Short Question (8 Marks) not more than 25 words	1 No. x 15 3 No. x 3 4 No. x 2	32 Marks
	Part C- 1. Long Question (15 Marks) not less than 250 words 2. Short Question (6 marks) not more than 50 words	2 No. x 15 (Attempt any 2 out of 3) 2 No. x 3 (Attempt any 2 out of 3)	36 Marks
	Total marks: 100 Total Duration of paper: 3 Hours		

- (2) The supplementary examination shall be held within six months of regular examination and failed students shall be eligible to appear in its supplementary examination, as the case maybe.
- (3) Each student shall be required to maintain seventy-five per cent. attendance in each subject (in theory and practical) for appearing in the examination and in this regard a class attendance card shall be maintained for each student for the different subjects and the Principal shall arrange to obtain the signature of the students, teachers at the end of each course of lectures and practical instructions and send the cards to each Head of the Department for final completion before the commencement of each examination.
- (4) In case a student fails to appear in regular examination for cognitive reason, he or she shall appear in supplementary examination as regular students, whose non-appearance in regular examination shall not be treated as an attempt and such students after passing examination shall join the studies with regular students and appear for next professional examination after completion of the required period of study.
- (5) The following facts may be taken into consideration in determining class work in the subject-
- Regularity in attendance;
 - Periodical tests; and
 - Practical work.

10. Grace Marks: The grace marks upto a maximum of 10 marks may be awarded at the discretion of the University to an Examinee for clearing (Passing) the examination as a whole (Irrespective of the number of subjects) but not for clearing a subject resulting in exemption.

11. Compulsory Rotatory Internship Training-

- (1) The duration of Compulsory Rotatory Internship shall be one year and the student shall be eligible to join the compulsory internship programme after passing all the subjects from first to

the final professional examinations, and the internship programme shall be start after the declaration of the result of final professional examination.

(2) The Internship Programme and time distribution shall be as follows: -

- (a) the interns shall receive an orientation regarding programme details of internship programme alongwith the rules and regulations, in an orientation workshop, which shall be organized during the first three days of the beginning of internship programme and a workbook shall be given to each intern, in which the intern shall enter date-wise details of activities undertaken by him or her during his or her training;
- (b) every intern shall provisionally register himself with the concerned State Board or Council and obtain a certificate to this effect before joining the internship program;
- (c) the daily working hours of intern shall be not less than eight hours;
- (d) no Intern shall remain absent from his hospital duties without prior permission from Head of Department or Chief Medical Officer or Medical Superintendent of the Hospital;
- (e) normally one-year internship programme shall be divided into clinical training of six months in the Unani hospital attached to the college and six months in Primary Health Centre or Community Health Centre or Rural Hospital or District Hospital Civil Hospital or any Government Hospital of modern medicine:

Provided that where there is no provision or facility or permission of the State Government for allowing the graduate of Unani in the hospital or dispensary of Modern Medicine, the one-year Internship shall be completed in the Hospital of Unani College.

(3) The clinical training of six or twelve months, as case may be, in the Unani hospital attached to the college or in non- teaching hospitals approved by Central Council of Indian Medicine shall be conducted as follows:-

Sr. no.	Departments	Distribution of six months	Distribution Of twelve months
(i)	Moalajat including Ilaj bit Tadbeer and Amraze Jildwa Tazeeniyat	Two months	Four months
(ii)	Jarahat	One month	Two months
(iii)	Amraz-e-Ain, Uzn, Anf, Halaqwa Asnan	One month	Two months
(iv)	Ilmul Qabalat-wa-Amraz-e-Niswan	One month	Two months
(v)	Amraze Atfal	Fifteen days	One month
(vi)	Tahaffuzi-wa-Samaji Tib (Preventive and Community Medicine)	Fifteen days	One month

(4) Six months training of interns shall be carried out with an object to orient and acquaint the intern with National Health Programme and the intern shall undertake such training in one of the following institutes, namely:-

- (a) Primary Health Centre;
- (b) Community Health Centre or District Hospital;
- (c) any recognised or approved hospital of modern medicine;
- (d) any recognised or approved Unani hospital or dispensary:

Provided that all the above institutes mentioned in clauses (a) to (d) shall have to be recognised by the concerned University and concerned Government designated authority for providing such training.

(5) Detailed guidelines for internship programme- The guidelines for conducting the internship clinical training of six or twelve months in the Unani Hospital attached to the college and the intern shall undertake the following activities in the respective department as shown below:-

(a) Moalajat- The duration of internship in this department shall be two months or four months with following activities:-

- (i) all routine works such as case taking, investigations, diagnosis and management of common diseases by Unani medicine;
- (ii) examination of Nabz, Baul-o-Baraz by Unani methods, routine clinical pathological work as. haemoglobin estimation, complete haemogram, urine analysis, microscopic examination of blood smears, sputum examination, stool examination, interpretation of laboratory data and clinical findings and arriving at a diagnosis;
- (iii) training in routine ward procedures and supervision of patients in respect of their diet, habits and verification of medicine schedule;
- (iv) Ilaj bit Tadbeer: Procedures and techniques of various regimental therapies;
- (v) Amraze Jild-wa Tazeeniyat: Diagnosis and management of various skin diseases, use of modern techniques and equipments in skin and cosmetology etc.;

(b) Jarahat- The duration of internship in this department shall be one month or two months and intern shall be practically trained to acquaint with following activities:-

- (i) Diagnosis and management of common surgical disorders according to Unani principles;
- (ii) management of certain surgical emergencies such as fractures and dislocations, acute abdomen;
- (iii) practical training of aseptic and antiseptics techniques, sterilization;
- (iv) intern shall be involved in pre-operative and post-operative managements;
- (v) practical use of anesthetic techniques and use of anesthetic drugs;
- (vi) radiological procedures, clinical interpretation of X-ray, Intra Venous Pyelogram, Barium meal, Sonography and Electro Cardio Gram;
- (vii) surgical procedures and routine ward techniques such as:-
 - 1. suturing of fresh injuries;
 - 2. dressing of wounds, burns, ulcers and similar ailments;
 - 3. incision of abscesses;
 - 4. excision of cysts; and
 - 5. venesection;

(c) Amraze Uzn, Anf, Halaqwa Asnan- The duration of internship in this department shall be one month or two months and intern shall be practically trained to acquaint with following activities: -

- (i) Diagnosis and management of common surgical disorders according to Unani Principles;
- (ii) intern shall be involved in Pre-operative and Post-operative managements;
- (iii) surgical procedures of ear, nose, throat, dental problems, ophthalmic problems;
- (iv) examinations of eye, ear, nose, throat disorders, refractive error, use of ophthalmic equipment for diagnosis of ophthalmic diseases, various tests for deafness ; and

- (v) minor surgical procedure in Uzn, Anf, Halaq like syringing and antrum wash, packing of nose in epistaxis, removal of foreign bodies from Uzn, Anf and Halaq at Out-Patient Department level;
- (d) **Ilmul Qabalatwa Amraze Niswan-** The duration of internship in this department shall be one month or two months and intern shall be practically trained to acquaint with following activities:-
 - (i) antenatal and post-natal problems and their remedies;
 - (ii) antenatal and post-natal care;
 - (iii) management of normal and abnormal labours; and
 - (iv) minor and major obstetric surgical procedures;
- (e) **Amraze Atfal-** The duration of internship in this department shall be fifteen days or one month and intern shall be practically trained to acquaint with following activities:-
 - (i) antenatal and post-natal problems and their remedies, antenatal and Post-natal care also by Unani principles and medicine;
 - (ii) antenatal and post-natal emergencies;
 - (iii) care of new born child along with immunization programme; and
 - (iv) important pediatric problems and their managements in Unani system of Medicine;
- (f) **Tahaffuzi wa Samaji Tibb-** The duration of internship in this department shall be fifteen days or one month and intern shall be trained to acquaint with the programmes of prevention and control of locally prevalent endemic diseases including nutritional disorders, immunisation, management of infectious diseases, family welfare planning programmes.
- (6) The Internship training in Primary Health Centre or Rural Hospital or District Hospital or Civil Hospital or any Government Hospital of modern medicine or Unani Hospital or Dispensary: During the six months internship training in Primary Health Centre or Community Health Centre or District Hospital or any recognised or approved hospital of Modern medicine or Unani hospital or dispensary, the intern shall-
 - (i) get acquainted with the routine of the Primary Health Centre and maintenance of their records;
 - (ii) get acquainted with the routine working of the medical or non-medical staff of Primary Health Centre and be always in contact with the staff in this period;
 - (iii) get familiarized with the work of maintaining the relevant register like daily patient register, family planning register, surgical register and take active participation in different Government Health Schemes or Programme;
 - (iv) participate actively in different National Health Programmes implemented by the State Government.
- (7) Internship training in Rural Unani dispensary or hospital: During the six months internship training in Rural Unani dispensary or hospital, intern shall-
 - (i) get acquainted with the diseases more prevalent in rural and remote areas and their management; and
 - (ii) involve in teaching of health care methods to rural population and also various immunization programmes.
- (8) Internship training in Casualty Section of any recognised hospital of modern medicine: During

the six months internship training in Casualty Section of any recognised hospital of modern medicine, intern shall-

- (i) get acquainted with identification of casualty and trauma cases and their first aid treatment and
- (ii) get acquainted with procedure for referring such cases to the identified hospitals.

(9) Assessment of internship - After completing the assignment in various Sections, the intern shall obtain a completion certificate from the head of the Section in respect of their devoted work in the Section concerned and finally submit to the Principal or Dean or Head of the Institution so that completion of successful internship may be granted.

12. Syllabus- The syllabus for 1st, 2nd, 3rd and final professional prescribed by CCIM from time to time shall be applicable.

13. For all other matters which have not been provided in this Ordinance, the Guidelines issued by CCIM/Ministry of AYUSH, from time to time, will be followed.

18. Amendment to Ordinance V (2) & VII. [E.C Res. 15-8 dated 31.08.2021] related to amendment to MBBS Ordinance regarding span period.

Amendment to the MBBS Ordinance Part-I (approved vide E.C. dated 09.07.2011)

Existing	Amended
Clause 4 (b) Span Period: Maximum of 08 (eight) years from the date of admission in the 1 st Professional MBBS Course (excluding internship training period).	***Omitted***

19. Amendment to Appendix II to Ordinance V (2) & VII. [E.C Res. No. 42-2-2 dated 17.12.2021] related to the introduction of one year P.G. Diploma Course in Iranian Studies under UGC LOCF in the Department of Persian to be implemented from the academic session 2021-2022.

Add the following:

ONE YEAR PG DIPLOMA COURSE IN IRANIAN STUDIES

Eligibility:

Any student who has passed the master's degree in any stream from any recognized university with 50% marks may get admission to this Post Graduate Diploma in Iranian Studies.

Scheme of Examination:

1. There shall be six papers and English, Persian, Hindi and Urdu shall be the medium of examination.
2. Examination will be held annually as per the academic calendar notified by the University of Delhi.

3. Each paper shall carry 100 marks, of which 70 marks shall be allocated to the written paper and 20+10=30, of which 20 marks for internal assessment and 10 marks for attendance.
4. The duration of written examination for each paper shall be three hours.

Pass percentage:

Total Marks will be 600 (six hundred) and minimum marks for passing the annual examination shall be 50% in each paper. There will be no provision for reappearing for the failed papers.

Division Criteria:

Candidate securing 75% and above	:	Distinction
Candidate securing between 60% and 74.99%	:	First Division
Candidate securing between 50% and 59.99%	:	Second Division

Credits Distribution for the Post Graduate Diploma in Iranian Studies :

Paper 1	4 Credits
Paper 2	4 Credits
Paper 3	4 Credits
Paper 4	4 Credits
Paper 5	4 Credits
Paper 6	4 Credits
Total Paper - 6	Total Credits 24

Paper 1	100
Basic Persian Language :	
Unit I	30
Applied Grammar	
Unit II	30
Persian text and comprehension	
Unit III	40
Translation from Persian into English vice-versa	

Paper 2	100
Introduction to the Iranian Literature	
Unit I	50
<p>Introduction to the classical Iranian literature. The following poets from Chashma-I Roshan compiled by Ghulam Husain Yusufi, Tehran, 1373.</p> <ul style="list-style-type: none"> • Firdausi • Umar Khayyam • Sadi Shirazi • Maulana Rumi • Hafiz Shirazi <p>The following chapters from Gulistan Saadi, Tehran, 1398; Chahar Maqaleh, Tehran University, 1328; Kalila va Dimna, Tehran, 1393.</p> <ul style="list-style-type: none"> • Kalileh o Dimneh, The Story of Lion and Cow (first two parts) • Gulistan, 7th chapter tasir-I sohbat 	

• Chahar Maqaleh. 4 th chapter	
Unit II	50
Introduction to the modern Iranian literature	
The following poets from Chashma-I Roshan compiled by Ghulam Husain Yusufi, Tehran, 1373.	
<ul style="list-style-type: none"> • Bahar Mashadi • Nima Yushij • Sohrab Sepehri 	
The following topics from book Adabiyat-I Daura-I bidari va Moasir by Mohammad Iste' lami, Tehran, 2535.	
<ul style="list-style-type: none"> • Saeed Nafisi, • Sadique Hedayat, • Jamal Zadeh, 	
Paper 3	100
Socio-economic study of Iran:	
Unit I	50
Social and economic movements in Iran.	
Unit II	50
Study of Economic reforms in Iran, Pre and Post-Islamic revolution.	
Paper 4	100
Political and geographical history of Iran	
Unit I	50
A brief survey of Iran's political and geographical developments before Islamic revolution.	
Unit II	50
A detailed survey of Iran's political and geographical developments after Islamic revolution.	
Paper 5	100
Foreign policy of Iran :	
Unit I	50
A detailed study of Iran's foreign policy between 1925-1979	
Unit II	50
A detailed study of Iran's foreign policy after 1979 to till date.	
Paper 6	100
Indo-Iran and World-Iran relation:	
Unit I	50
Relation of Iran with India	
Unit II	50
Relation of Iran with rest of the world	

20. Amendment to Appendix II to Ordinance V (2) & VII. [E.C Res. No. 42-3 dated 17.12.2021] regarding modification of the following courses under UGC LOCF in the Department of Sanskrit to be implemented from the academic session 2021-2022.

M.A Sanskrit

Paper No.	Existing	Amended																								
Core-201	<p>CC- 201: Darśana: Nyāya & Vedānta दर्शन :न्याय एवं वेदान्त</p> <p>Maximum Marks: 100 (70+30) Duration: 64 hrs. (04 weeks). (4 Theories = 4 credits)</p> <p>Unit wise Division</p> <p>Unit I तर्कभाषा (केशवमिश्र) - शास्त्र की त्रिविध प्रवृत्तियाँ, कारण, करण एवं अन्यथासिद्ध, प्रमाणस्वरूप एवं तद्भेद – प्रत्यक्ष ।</p> <p>Unit II तर्कभाषा (केशवमिश्र) - अनुमान, उपमान एवं शब्द, अर्थापत्ति एवं अनुपलब्धि का स्वरूप तथा तद्विषयक विप्रतिपत्तियों का निरास, प्रामाण्यवाद , प्रमेयनिरूपण - आत्मा, दुःख एवं अपवर्ग के साथ सभी प्रमेय - संशय, प्रयोजन, दृष्टान्त, सिद्धान्त, अवयव, तर्क, निर्णय, वाद, जल्प, वितण्डा एवं हेत्वाभास ।</p> <p>Unit III वेदान्तसार (सदानन्द) - अधिकारिनिरूपण, वेदान्त, अनुबन्धचतुष्टयनिरूपण, अध्यारोप, अज्ञान का स्वरूप एवं अज्ञान की शक्तियाँ, प्रपञ्चनिरूपण = जाग्रदादि तीनों अवस्थाओं एवं शरीरों में व्याप्त पञ्चकोशोपेत अज्ञान की समष्टि एवं व्यष्टि तथा तदुपहित चैतन्यों का निरूपण, सृष्टिप्रक्रिया एवं पञ्चीकरण।</p> <p>Unit IV वेदान्तसार (सदानन्द) - आत्मस्वरूप विषयक विप्रतिपत्तियाँ एवं उनका निराकरण, अपवाद, महावाक्यार्थनिर्णय, वृत्ति के कार्य एवं उसके भेद, श्रवण, मनन, निदिध्यासन एवं समाधि, जीवन्मुक्ति एवं विदेहमुक्ति ।</p> <p>ईशावास्योपनिषद् - विशेषतः नैतिकदर्शन, आत्मस्वरूप, विद्या-अविद्या तथा सम्भूति-असम्भूति</p> <p>Basic Structure of Question Paper & Division of Marks</p> <table border="1"> <tr> <td>(i)</td><td>Four Explanations (one from each of the Units from Tarkbhāṣā and Vedāntasara only)</td><td>04 x07 = 28</td></tr> <tr> <td>(ii)</td><td>Four short notes (one from each of the Units, one in Sanskrit from Ishavasyopanisad only)</td><td>05+05+05+07 = 22</td></tr> <tr> <td>(iii)</td><td>Two critical Questions from Tarkbhāṣā and Vedāntasara only</td><td>02 x10 = 20</td></tr> <tr> <td></td><td>TOTAL</td><td>70</td></tr> </table>	(i)	Four Explanations (one from each of the Units from Tarkbhāṣā and Vedāntasara only)	04 x07 = 28	(ii)	Four short notes (one from each of the Units, one in Sanskrit from Ishavasyopanisad only)	05+05+05+07 = 22	(iii)	Two critical Questions from Tarkbhāṣā and Vedāntasara only	02 x10 = 20		TOTAL	70	<p>Semester: II, MA (Sanskrit) Core Course CC- 201: Darśana:Nyāya & Vedānta दर्शन :न्याय एवं वेदान्त</p> <p>Maximum Marks: 100 (70+30) Duration: 64 hrs. (16 weeks). (4 Theories = 4 credits) 01 Tutorial = 01 Total =05 credit</p> <p>Unit wise Division</p> <p>Unit I तर्कभाषा (केशवमिश्र) - शास्त्र की त्रिविध प्रवृत्तियाँ, कारण, करण एवं अन्यथासिद्ध, प्रमाणस्वरूप एवं तद्भेद – प्रत्यक्ष ।</p> <p>Unit II तर्कभाषा (केशवमिश्र) - अनुमान, उपमान एवं शब्द, अर्थापत्ति एवं अनुपलब्धि का स्वरूप तथा तद्विषयक विप्रतिपत्तियों का निरास, प्रामाण्यवाद , प्रमेयनिरूपण - आत्मा, दुःख एवं अपवर्ग के साथ सभी प्रमेय - संशय, प्रयोजन, दृष्टान्त, सिद्धान्त, अवयव, तर्क, निर्णय, वाद, जल्प, वितण्डा एवं हेत्वाभास ।</p> <p>Unit III वेदान्तसार (सदानन्द) - अधिकारिनिरूपण, वेदान्त, अनुबन्धचतुष्टयनिरूपण, अध्यारोप, अज्ञान का स्वरूप एवं अज्ञान की शक्तियाँ, प्रपञ्चनिरूपण = जाग्रदादि तीनों अवस्थाओं एवं शरीरों में व्याप्त पञ्चकोशोपेत अज्ञान की समष्टि एवं व्यष्टि तथा तदुपहित चैतन्यों का निरूपण, सृष्टिप्रक्रिया एवं पञ्चीकरण।</p> <p>Unit IV वेदान्तसार (सदानन्द) - आत्मस्वरूप विषयक विप्रतिपत्तियाँ एवं उनका निराकरण, अपवाद, महावाक्यार्थनिर्णय, वृत्ति के कार्य एवं उसके भेद, श्रवण, मनन, निदिध्यासन एवं समाधि, जीवन्मुक्ति एवं विदेहमुक्ति</p> <p>Basic Structure of Question Paper & Division of Marks</p> <table border="1"> <tr> <td>(i)</td><td>Four Explanations (one from each of the Units.)</td><td>04 x07 = 28</td></tr> <tr> <td>(ii)</td><td>Four short notes (one from each of the Units, (one in Sanskrit)</td><td>05+05+05+07 = 22</td></tr> <tr> <td>(iii)</td><td>Two critical Questions</td><td>02 x10 = 20</td></tr> <tr> <td></td><td>TOTAL</td><td>70</td></tr> </table>	(i)	Four Explanations (one from each of the Units.)	04 x07 = 28	(ii)	Four short notes (one from each of the Units, (one in Sanskrit)	05+05+05+07 = 22	(iii)	Two critical Questions	02 x10 = 20		TOTAL	70
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Core-	New Amendment	Semester: II, MA (Sanskrit)																								

204		<p>Core Course 204 : An introduction to Itihāsa and Pūranic texts. इतिहास एवं पुराणसाहित्य का सामान्य परिचय Maximum Marks: 100 (70+30)</p> <p>Duration: 60 hrs. (16 weeks). (4 Theories = 4 credits) (1 Tutorial – 1 credits) Total = 05 credits</p> <p>Unit Wise Division</p> <table><tr><td>Unit-I</td><td>पुराण-</td><td>वायुपुराण(पृथुचरित) 62 - मार्कण्डेयपुराणमदालसा) 25- (उद्बोधन</td><td>[15 Hrs.]</td></tr><tr><td>Unit-II</td><td>रामायण-</td><td>3/16/1-42(हेमन्तवर्णन) 5/15 अशोकवनिका में सीता</td><td>[15 Hrs.]</td></tr><tr><td>Unit-III</td><td>(महाभारत)</td><td>उद्योगपर्व 131- 134(विदुरापुत्रानुशासनम्) भगवद्गीता 15 वाँ अध्याय</td><td>[15 Hrs.]</td></tr><tr><td>Unit-IV</td><td>(पुराणेतिहास सर्वेक्षण)</td><td>पुराण- परिभाषा, विभाजन, पुराण एवं उपपुराणों की विषयवस्तु की भाषा और शैली, भौगोलिक, ऐतिहासिक एवं सांस्कृतिक महत्त्व रामायण एवं महाभारत - कालनिर्धारण, विभाग, विषयवस्तु, काव्यात्मक, ऐतिहासिक, सामाजिक, सांस्कृतिक, भौगोलिक आदि दृष्टि से महत्त्व</td><td>[15 Hrs.]</td></tr></table> <p>Basic Structure of Question Paper & Division of Marks</p> <table><tr><td>(i)</td><td>Four explanations from 1-3 Units (covering each Units, One should be in Sanskrit)</td><td>05+05+05+ 07=22</td></tr><tr><td>(ii)</td><td>Four short notes (one from each units)</td><td>04 x07 = 28</td></tr><tr><td>(iii)</td><td>Two analytical Questions (From 4th Unit)</td><td>02 x10 =20</td></tr><tr><td></td><td>TOTAL</td><td>70</td></tr></table> <p>(All Questions should be asked with options)</p>	Unit-I	पुराण-	वायुपुराण(पृथुचरित) 62 - मार्कण्डेयपुराणमदालसा) 25- (उद्बोधन	[15 Hrs.]	Unit-II	रामायण-	3/16/1-42(हेमन्तवर्णन) 5/15 अशोकवनिका में सीता	[15 Hrs.]	Unit-III	(महाभारत)	उद्योगपर्व 131- 134(विदुरापुत्रानुशासनम्) भगवद्गीता 15 वाँ अध्याय	[15 Hrs.]	Unit-IV	(पुराणेतिहास सर्वेक्षण)	पुराण- परिभाषा, विभाजन, पुराण एवं उपपुराणों की विषयवस्तु की भाषा और शैली, भौगोलिक, ऐतिहासिक एवं सांस्कृतिक महत्त्व रामायण एवं महाभारत - कालनिर्धारण, विभाग, विषयवस्तु, काव्यात्मक, ऐतिहासिक, सामाजिक, सांस्कृतिक, भौगोलिक आदि दृष्टि से महत्त्व	[15 Hrs.]	(i)	Four explanations from 1-3 Units (covering each Units, One should be in Sanskrit)	05+05+05+ 07=22	(ii)	Four short notes (one from each units)	04 x07 = 28	(iii)	Two analytical Questions (From 4 th Unit)	02 x10 =20		TOTAL	70
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OEC - 305	New amendment	<p>OEC-305: Linguistic Speculations in Sanskrit संस्कृत में भाषाविषयक चिन्तन Maximum Marks: 100 (70+30)</p> <p>Duration: 64 hrs. (04 weeks). (4 Theories = 4 credits)</p> <p>Unit Wise Division</p> <table><tr><td>Unit-I</td><td>General Study of the following: Prātiśākhyā, Śikṣā, Śākalya, Śākatāyana, Vyāḍi, Yāska, Pāṇini, Kātyāyana, Patañjali, Bhartṛhari, Kaiyaṭa, Nāgeśa, Kumārila, Prabhākara, Jagadisha Tarkalankara.</td></tr><tr><td>Unit-II</td><td>Vākyapadīya, Kāṇḍa 2, Kārikās 1-2 & 117-152, 8 definitions regarding the sentence, 12 definitions regarding word- meaning, Pratibha theory of meaning</td></tr><tr><td>Unit-III</td><td>Nyāyasiddhāntamuktāvalī-śabdakhaṇḍa- Process of Sentence meaning, Functions of word- Abhidhā (Primary function of the word), Means to śaktigraha, PadaPadārtha, Instrumentals of Sentence meaning</td></tr><tr><td>Unit-IV</td><td>Apoha Theory of Meaning, Abhihitānvayaavāda and Anvitābhidhānavāda, Theory of Sphoṭa and śabdabrahman</td></tr></table> <p>Basic Structure of Question Paper & Division of Marks</p> <table><tr><td>(i)</td><td>3 short notes from first unit</td><td>5+5+5=15</td></tr><tr><td>(ii)</td><td>3 explanatory questions from second and third unit</td><td>13+13+13=39</td></tr></table>	Unit-I	General Study of the following: Prātiśākhyā, Śikṣā, Śākalya, Śākatāyana, Vyāḍi, Yāska, Pāṇini, Kātyāyana, Patañjali, Bhartṛhari, Kaiyaṭa, Nāgeśa, Kumārila, Prabhākara, Jagadisha Tarkalankara.	Unit-II	Vākyapadīya, Kāṇḍa 2, Kārikās 1-2 & 117-152, 8 definitions regarding the sentence, 12 definitions regarding word- meaning, Pratibha theory of meaning	Unit-III	Nyāyasiddhāntamuktāvalī-śabdakhaṇḍa- Process of Sentence meaning, Functions of word- Abhidhā (Primary function of the word), Means to śaktigraha, PadaPadārtha, Instrumentals of Sentence meaning	Unit-IV	Apoha Theory of Meaning, Abhihitānvayaavāda and Anvitābhidhānavāda, Theory of Sphoṭa and śabdabrahman	(i)	3 short notes from first unit	5+5+5=15	(ii)	3 explanatory questions from second and third unit	13+13+13=39														
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(ii)	3 explanatory questions from second and third unit	13+13+13=39																												

		(iii)	2 Exhaustive notes from fourth Unit	08+08 =16																													
			TOTAL	70																													
OEC – 306	New Amendment	<div><div>SEMESTER: III OPEN ELECTIVE COURSE</div><div>OEC-306: Outline of Culture & Civilization in Sanskrit Literature संस्कृतवाङ्मय में प्रतिपादित सभ्यता एवं संस्कृति की रूपरेखा Maximum Marks: 100 (70+30)</div><div>Duration: 64 hrs. (04 weeks) (4 Theories = 4 credits)</div><div>Unit Wise Division<table><tr><td>Unit-I</td><td>सभ्यता एवं संस्कृति की परिभाषा एवं स्वरूप, प्राचीन भारतीय सभ्यता एवं संस्कृति की विशेषताएँ, वैदिक एवं उत्तर वैदिककालीन सभ्यता एवं संस्कृति (सामाजिक, राजनैतिक, आर्थिक एवं धार्मिक स्थितियों के सन्दर्भ में)</td></tr><tr><td>Unit-II</td><td>महाकाव्य (रामायण एवं महाभारत) एवं पुराणों में प्रतिपादित सभ्यता एवं संस्कृति (सामाजिक, राजनैतिक, आर्थिक एवं धार्मिक स्थितियों के सन्दर्भ में)</td></tr><tr><td>Unit-III</td><td>वर्णव्यवस्था, आश्रमव्यवस्था, पुरुषार्थ-चतुष्टय, संस्कार, प्राचीन भारत में नारी की स्थिति, प्राचीन भारतीय शिक्षाप्रणाली एवं शिक्षण-संस्थान</td></tr><tr><td>Unit-IV</td><td>शैव, वैष्णव, बौद्ध एवं जैन धर्मों का उद्भव, विकास एवं मुख्य सिद्धान्त</td></tr></table></div><div>Basic Structure of Question Paper & Division of Marks<table><tr><td>(i)</td><td>Four long-answer questions (one from each Unit)</td><td>12x4 = 48</td></tr><tr><td>(ii)</td><td>Four short notes (one from each Unit)</td><td>5.5x4 =22</td></tr><tr><td></td><td>TOTAL MARKS</td><td>70</td></tr></table></div></div>			Unit-I	सभ्यता एवं संस्कृति की परिभाषा एवं स्वरूप, प्राचीन भारतीय सभ्यता एवं संस्कृति की विशेषताएँ, वैदिक एवं उत्तर वैदिककालीन सभ्यता एवं संस्कृति (सामाजिक, राजनैतिक, आर्थिक एवं धार्मिक स्थितियों के सन्दर्भ में)	Unit-II	महाकाव्य (रामायण एवं महाभारत) एवं पुराणों में प्रतिपादित सभ्यता एवं संस्कृति (सामाजिक, राजनैतिक, आर्थिक एवं धार्मिक स्थितियों के सन्दर्भ में)	Unit-III	वर्णव्यवस्था, आश्रमव्यवस्था, पुरुषार्थ-चतुष्टय, संस्कार, प्राचीन भारत में नारी की स्थिति, प्राचीन भारतीय शिक्षाप्रणाली एवं शिक्षण-संस्थान	Unit-IV	शैव, वैष्णव, बौद्ध एवं जैन धर्मों का उद्भव, विकास एवं मुख्य सिद्धान्त	(i)	Four long-answer questions (one from each Unit)	12x4 = 48	(ii)	Four short notes (one from each Unit)	5.5x4 =22		TOTAL MARKS	70												
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Core-403	<div><div>Core Course CC- 403: Darśana: Sāṅkhya & Mīmāṃsā दर्शन :सांख्य एवं मीमांसा</div><div>Maximum Marks: 100 (70+30) Duration: 64 hrs. (04 weeks) (4 Theories = 4 credits)</div><div>Unit Wise Division<table><tr><td>Unit-I</td><td>सांख्यकारिका (ईश्वरकृष्ण) - दुःखत्रयवाद, प्रमाण, सत्कार्यवाद, प्रकृति का स्वरूप, सिद्धि एवं गुणत्रय, पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया - भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष।</td></tr><tr><td>Unit-II</td><td>श्वेताश्वतरोपनिषद् (केवल 1-4 अध्याय)</td></tr><tr><td>Unit-III</td><td>अर्थसंग्रह (लौगाक्षिभास्कर) - धर्म, भावना, वेद की अपौरुषेयता, विधि, गुणविधि और विशिष्टविधि, उत्पत्तिविधि, विनियोगविधि, प्रयोगविधि तथा अधिकारविधि।</td></tr><tr><td>Unit-IV</td><td>अर्थसंग्रह (लौगाक्षिभास्कर) - मन्त्र, नामधेय, निषेध एवं अर्थवाद, अपूर्वविधि और नियमविधि, परिसंख्याविधि तथा ग्रन्थ के शेष भाग का अध्ययन।</td></tr></table></div><div>Basic Structure of Question Paper & Division of Marks<table><tr><td>(i)</td><td>Four Explanations (one from I, III and IV Unit)</td><td>04x07 = 28</td></tr><tr><td>(ii)</td><td>Four short notes (one from each of the Units, one in Sanskrit from Shvetashvataropanisad)</td><td>5+5+5+07= 22</td></tr><tr><td>(iii)</td><td>Two critical Questions from</td><td>02x10=20</td></tr></table></div></div>	Unit-I	सांख्यकारिका (ईश्वरकृष्ण) - दुःखत्रयवाद, प्रमाण, सत्कार्यवाद, प्रकृति का स्वरूप, सिद्धि एवं गुणत्रय, पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया - भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष।	Unit-II	श्वेताश्वतरोपनिषद् (केवल 1-4 अध्याय)	Unit-III	अर्थसंग्रह (लौगाक्षिभास्कर) - धर्म, भावना, वेद की अपौरुषेयता, विधि, गुणविधि और विशिष्टविधि, उत्पत्तिविधि, विनियोगविधि, प्रयोगविधि तथा अधिकारविधि।	Unit-IV	अर्थसंग्रह (लौगाक्षिभास्कर) - मन्त्र, नामधेय, निषेध एवं अर्थवाद, अपूर्वविधि और नियमविधि, परिसंख्याविधि तथा ग्रन्थ के शेष भाग का अध्ययन।	(i)	Four Explanations (one from I, III and IV Unit)	04x07 = 28	(ii)	Four short notes (one from each of the Units, one in Sanskrit from Shvetashvataropanisad)	5+5+5+07= 22	(iii)	Two critical Questions from	02x10=20	<div><div>CC- 403: Darśana: Sāṅkhya & Mīmāṃsā दर्शन :सांख्य एवं मीमांसा</div><div>Maximum Marks: 100 (70+30) Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits) 01 Tutorial = 01 credits Total = 05 credits</div><div>Unit Wise Division<table><tr><td>Unit-I</td><td>सांख्यकारिका (ईश्वरकृष्ण) - दुःखत्रयवाद, प्रमाण, सत्कार्यवाद, प्रकृति का स्वरूप, सिद्धि एवं गुणत्रय, पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया - भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष।</td></tr><tr><td>Unit-II</td><td>सांख्यकारिका (ईश्वरकृष्ण) - पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया - भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष।</td></tr><tr><td>Unit-III</td><td>अर्थसंग्रह (लौगाक्षिभास्कर) - धर्म, भावना, वेद की अपौरुषेयता, विधि, गुणविधि और विशिष्टविधि, उत्पत्तिविधि, विनियोगविधि, प्रयोगविधि तथा अधिकारविधि।</td></tr><tr><td>Unit-IV</td><td>अर्थसंग्रह (लौगाक्षिभास्कर) - मन्त्र, नामधेय, निषेध एवं अर्थवाद, अपूर्वविधि और नियमविधि, परिसंख्याविधि तथा ग्रन्थ के शेष भाग का अध्ययन।</td></tr></table></div><div>Basic Structure of Question Paper & Division of Marks<table><tr><td>(i)</td><td>Four Explanations (one from each of the unit)</td><td>04x07 = 28</td></tr><tr><td>(ii)</td><td>Four short notes (one from each of the Units, one in Sanskrit)</td><td>5+5+5+07=22</td></tr></table></div></div>	Unit-I	सांख्यकारिका (ईश्वरकृष्ण) - दुःखत्रयवाद, प्रमाण, सत्कार्यवाद, प्रकृति का स्वरूप, सिद्धि एवं गुणत्रय, पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया - भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष।	Unit-II	सांख्यकारिका (ईश्वरकृष्ण) - पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया - भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष।	Unit-III	अर्थसंग्रह (लौगाक्षिभास्कर) - धर्म, भावना, वेद की अपौरुषेयता, विधि, गुणविधि और विशिष्टविधि, उत्पत्तिविधि, विनियोगविधि, प्रयोगविधि तथा अधिकारविधि।	Unit-IV	अर्थसंग्रह (लौगाक्षिभास्कर) - मन्त्र, नामधेय, निषेध एवं अर्थवाद, अपूर्वविधि और नियमविधि, परिसंख्याविधि तथा ग्रन्थ के शेष भाग का अध्ययन।	(i)	Four Explanations (one from each of the unit)	04x07 = 28	(ii)	Four short notes (one from each of the Units, one in Sanskrit)	5+5+5+07=22
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Unit-II	सांख्यकारिका (ईश्वरकृष्ण) - पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया - भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष।																																
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		Sankhyakarika and Arthasangraha only		(iii)	Two critical Questions (one from each of the Unit)	02x10=20																									
		TOTAL MARKS	70		TOTAL MARKS	70																									
Core-404	New Amendment	Core Course 404 : The philosophy of Aupaniṣadic tradition उपनिषद्-दर्शन Maximum Marks: 100 (70+30) Duration: 60 hrs. (16 weeks) (4 Theories = 4 credits) 1-Tutorial= 1 credit Total = 05 Credits Unit Wise Division <table><tr><td>Unit-I</td><td>ईशावास्योपनिषद्</td><td>[15 Hrs.]</td></tr><tr><td>Unit-II</td><td>श्वेताश्वतरोपनिषद् अध्याय – प्रथम एवं द्वितीय</td><td>[15 Hrs.]</td></tr><tr><td>Unit-III</td><td>श्वेताश्वतरोपनिषद्, अध्याय -तृतीय एवं चतुर्थ।</td><td>[15 Hrs.]</td></tr><tr><td>Unit-IV</td><td>उपनिषत्साहित्य का सर्वेक्षण, स्वरूप - स्वरूप, संख्या, सृष्टिविद्या ,सन्देश , जीव, आत्माब्रह्म , आदि प्रतिपाद्यविषय।</td><td>[15 Hrs.]</td></tr></table> Basic Structure of Question Paper & Division of Marks <table><tr><td>(i)</td><td>Four explanations from 1-3 Units (covering each Units, One should be in Sanskrit)</td><td>5+5+5+07= 22</td></tr><tr><td>(ii)</td><td>Four short notes (one from each Units)</td><td>04x07=28</td></tr><tr><td>(iii)</td><td>Two analytical Questions (From 4th Unit)</td><td>02x10= 20</td></tr><tr><td></td><td>TOTAL MARKS</td><td>70</td></tr></table> (All Questions should be ask with options)						Unit-I	ईशावास्योपनिषद्	[15 Hrs.]	Unit-II	श्वेताश्वतरोपनिषद् अध्याय – प्रथम एवं द्वितीय	[15 Hrs.]	Unit-III	श्वेताश्वतरोपनिषद्, अध्याय -तृतीय एवं चतुर्थ।	[15 Hrs.]	Unit-IV	उपनिषत्साहित्य का सर्वेक्षण, स्वरूप - स्वरूप, संख्या, सृष्टिविद्या ,सन्देश , जीव, आत्माब्रह्म , आदि प्रतिपाद्यविषय।	[15 Hrs.]	(i)	Four explanations from 1-3 Units (covering each Units, One should be in Sanskrit)	5+5+5+07= 22	(ii)	Four short notes (one from each Units)	04x07=28	(iii)	Two analytical Questions (From 4 th Unit)	02x10= 20		TOTAL MARKS	70
Unit-I	ईशावास्योपनिषद्	[15 Hrs.]																													
Unit-II	श्वेताश्वतरोपनिषद् अध्याय – प्रथम एवं द्वितीय	[15 Hrs.]																													
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	TOTAL MARKS	70																													
OEC- 405	New Amendment	OEC-405: Linguistic Speculations in Sanskrit संस्कृत में भाषाविषयक चिन्तन (Concept based module for the students of other than Sanskrit) Maximum Marks: 100 (70+30) Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits) Unit Wise Division <table><tr><td>Unit-I</td><td>General Study of the following: Prāṭisākhya, Śikṣā, Śākalya, Śākatāyana, Vyāḍi, Yāska, Pāṇini, Kātyayana, Patañjali, Bhartṛhari, Kaiyaṭa, Nāgeśa, Kumārila, Prabhākara, Jagadisha Tarkalankara.</td></tr><tr><td>Unit-II</td><td>Vākyapadiya, Kāṇḍa 2, Kārikās 1-2 & 117-152, 8 definitions regarding the sentence, 12 definitions regarding word-meaning, Pratibha theory of meaning.</td></tr><tr><td>Unit-III</td><td>Nyāyasiddhāntamuktāvalī-śhabdakhaṇḍa- Process of Sentence meaning, Functions of word- Abhidhā (Primary function of the word), Means to śaktigraha, PadaPadārtha, Instrumentals of Sentence meaning</td></tr><tr><td>Unit-IV</td><td>Apoha Theory of Meaning, Abhihitānvayavāda and Anvitābhidhānavāda, Theory of Sphoṭa and śabdabrahman</td></tr></table> Basic Structure of Question Paper & Division of Marks <table><tr><td>(i)</td><td>3 short notes from first unit</td><td>5+5+5=15</td></tr><tr><td>(ii)</td><td>3 Explanatory questions from second and third units</td><td>13+13+13 = 39</td></tr><tr><td>(iii)</td><td>2 Exhaustive notes from fourth unit</td><td>8+8= 16</td></tr><tr><td></td><td>TOTAL MARKS</td><td>70</td></tr></table>						Unit-I	General Study of the following: Prāṭisākhya, Śikṣā, Śākalya, Śākatāyana, Vyāḍi, Yāska, Pāṇini, Kātyayana, Patañjali, Bhartṛhari, Kaiyaṭa, Nāgeśa, Kumārila, Prabhākara, Jagadisha Tarkalankara.	Unit-II	Vākyapadiya, Kāṇḍa 2, Kārikās 1-2 & 117-152, 8 definitions regarding the sentence, 12 definitions regarding word-meaning, Pratibha theory of meaning.	Unit-III	Nyāyasiddhāntamuktāvalī-śhabdakhaṇḍa- Process of Sentence meaning, Functions of word- Abhidhā (Primary function of the word), Means to śaktigraha, PadaPadārtha, Instrumentals of Sentence meaning	Unit-IV	Apoha Theory of Meaning, Abhihitānvayavāda and Anvitābhidhānavāda, Theory of Sphoṭa and śabdabrahman	(i)	3 short notes from first unit	5+5+5=15	(ii)	3 Explanatory questions from second and third units	13+13+13 = 39	(iii)	2 Exhaustive notes from fourth unit	8+8= 16		TOTAL MARKS	70				
Unit-I	General Study of the following: Prāṭisākhya, Śikṣā, Śākalya, Śākatāyana, Vyāḍi, Yāska, Pāṇini, Kātyayana, Patañjali, Bhartṛhari, Kaiyaṭa, Nāgeśa, Kumārila, Prabhākara, Jagadisha Tarkalankara.																														
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(i)	3 short notes from first unit	5+5+5=15																													
(ii)	3 Explanatory questions from second and third units	13+13+13 = 39																													
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	TOTAL MARKS	70																													
OEC-406	New Amendment	OEC- 406: Vedic Exegesis, History & Thought वैदिक-व्याख्या, इतिहास एवं चिन्तन Maximum Marks: 100 (70+30) Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits)																													

		<div>Unit wise Division</div> <table><tr><td>Unit-I</td><td>वैदिक व्याख्या : प्राच्यपद्धति -(i) वेदव्याख्यान परम्परा, (ii) प्राचीन तथा आधुनिक व्याख्याकार: सायण, दयानन्द, अरविन्द, सातवलेकर, मधुसूदनओझा, आनन्दकुमारस्वामी, कपालीशास्त्री, आर . एन.दाण्डेकर इत्यादि।</td></tr><tr><td>Unit-II</td><td>वैदिक व्याख्या : प्रतीयपद्धति – पाश्चात्य विद्वानों का योगदान, विशेषतः - रॉथ, वर्गेन ,लुडविग ,गेलडनर, मैक्समूलर, हिलेब्रान्ट, ग्रिफिथ, विल्सन इत्यादि।</td></tr><tr><td>Unit-III</td><td>वैदिक साहित्य का इतिहास - ऋग्वेदसंहिता, यजुर्वेदसंहिता, सामवेदसंहिता एवं अथर्ववेदसंहिता ;वेदों की शाखाएँ ,परिचय एवं वेदों का कालनिर्धारण, ब्राह्मणसाहित्य, आरण्यक और उपनिषद् : परिचय, वेदाङ्ग साहित्य :परिचय ।</td></tr><tr><td>Unit-IV</td><td>वैदिक चिन्तन - वैदिकदेवता, वैदिकसमाज, वेदों की अपौरुषेयता एवं नित्यता, ऋत की अवधारणा, वैदिकदर्शन।</td></tr></table> <div>Basic Structure of Question Paper & Division of Marks</div> <table><tr><td>(i)</td><td>Four long-answer questions (one from each Unit)</td><td>12x4 = 48</td></tr><tr><td>(ii)</td><td>Four short notes. One should be must in Sanskrit (one from each Unit)</td><td>5+5+5+7= 22</td></tr><tr><td></td><td>TOTAL MARKS</td><td>70</td></tr></table> <div>**Note : (This OEC is opted by the students of Sanskrit other than “A” Group)</div>	Unit-I	वैदिक व्याख्या : प्राच्यपद्धति -(i) वेदव्याख्यान परम्परा, (ii) प्राचीन तथा आधुनिक व्याख्याकार: सायण, दयानन्द, अरविन्द, सातवलेकर, मधुसूदनओझा, आनन्दकुमारस्वामी, कपालीशास्त्री, आर . एन.दाण्डेकर इत्यादि।	Unit-II	वैदिक व्याख्या : प्रतीयपद्धति – पाश्चात्य विद्वानों का योगदान, विशेषतः - रॉथ, वर्गेन ,लुडविग ,गेलडनर, मैक्समूलर, हिलेब्रान्ट, ग्रिफिथ, विल्सन इत्यादि।	Unit-III	वैदिक साहित्य का इतिहास - ऋग्वेदसंहिता, यजुर्वेदसंहिता, सामवेदसंहिता एवं अथर्ववेदसंहिता ;वेदों की शाखाएँ ,परिचय एवं वेदों का कालनिर्धारण, ब्राह्मणसाहित्य, आरण्यक और उपनिषद् : परिचय, वेदाङ्ग साहित्य :परिचय ।	Unit-IV	वैदिक चिन्तन - वैदिकदेवता, वैदिकसमाज, वेदों की अपौरुषेयता एवं नित्यता, ऋत की अवधारणा, वैदिकदर्शन।	(i)	Four long-answer questions (one from each Unit)	12x4 = 48	(ii)	Four short notes. One should be must in Sanskrit (one from each Unit)	5+5+5+7= 22		TOTAL MARKS	70
Unit-I	वैदिक व्याख्या : प्राच्यपद्धति -(i) वेदव्याख्यान परम्परा, (ii) प्राचीन तथा आधुनिक व्याख्याकार: सायण, दयानन्द, अरविन्द, सातवलेकर, मधुसूदनओझा, आनन्दकुमारस्वामी, कपालीशास्त्री, आर . एन.दाण्डेकर इत्यादि।																		
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	TOTAL MARKS	70																	
OEC-407	New Amendment	<div>OEC-407: Survey of Indian Philosophy भारतीय दर्शन का सर्वेक्षण</div> <div>Maximum Marks: 100 (70+30)</div> <div>Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits)</div> <div>Unit Wise Division</div> <table><tr><td>Unit-I</td><td>सर्वदर्शनसंग्रह (माधवाचार्य) : चार्वाकमत एवं जैनमत</td></tr><tr><td>Unit-II</td><td>सर्वदर्शनसंग्रह (माधवाचार्य) : बौद्धमत एवं शैवमत</td></tr><tr><td>Unit-III</td><td>भारतीयदर्शन का आलोचनात्मक सर्वेक्षण - भारतीय दर्शन के प्रमुख विचारणीय पक्षों का आलोचनात्मक अध्ययन- आत्मा एवं परमात्मा (ईश्वर), कार्यकारणसिद्धान्त, मोक्ष, कर्म एवं पुनर्जन्म, प्रमाण, प्रामाण्यवाद तथा ख्यातिवाद आदि।</td></tr><tr><td>Unit-IV</td><td>भारतीयदर्शन का आलोचनात्मक सर्वेक्षण - प्रमुख भारतीय दार्शनिक मतों (सांख्य, योग, न्याय, वैशेषिक, मीमांसा, वेदान्त) का ऐतिहासिक सर्वेक्षण। भारतीय दर्शन के प्रमुख आचार्य (जैमिनि, बादरायण, कपिल, पतञ्जलि, गौतम, कणाद, शंकर और वाचस्पति मिश्र) तथा उनके अवदानों का परिचय।</td></tr></table> <div>Basic Structure of Question Paper & Division of Marks</div> <table><tr><td>(i)</td><td>Four long-answer questions (one from each Unit)</td><td>12x4 = 48</td></tr><tr><td>(ii)</td><td>Four short notes. One should be must in Sanskrit (one from each Unit)</td><td>5+5+5+7= 22</td></tr><tr><td></td><td>TOTAL MARKS</td><td>70</td></tr></table> <div>**Note : (This OEC is opted by the students of Sanskrit other than “B” Group)</div>	Unit-I	सर्वदर्शनसंग्रह (माधवाचार्य) : चार्वाकमत एवं जैनमत	Unit-II	सर्वदर्शनसंग्रह (माधवाचार्य) : बौद्धमत एवं शैवमत	Unit-III	भारतीयदर्शन का आलोचनात्मक सर्वेक्षण - भारतीय दर्शन के प्रमुख विचारणीय पक्षों का आलोचनात्मक अध्ययन- आत्मा एवं परमात्मा (ईश्वर), कार्यकारणसिद्धान्त, मोक्ष, कर्म एवं पुनर्जन्म, प्रमाण, प्रामाण्यवाद तथा ख्यातिवाद आदि।	Unit-IV	भारतीयदर्शन का आलोचनात्मक सर्वेक्षण - प्रमुख भारतीय दार्शनिक मतों (सांख्य, योग, न्याय, वैशेषिक, मीमांसा, वेदान्त) का ऐतिहासिक सर्वेक्षण। भारतीय दर्शन के प्रमुख आचार्य (जैमिनि, बादरायण, कपिल, पतञ्जलि, गौतम, कणाद, शंकर और वाचस्पति मिश्र) तथा उनके अवदानों का परिचय।	(i)	Four long-answer questions (one from each Unit)	12x4 = 48	(ii)	Four short notes. One should be must in Sanskrit (one from each Unit)	5+5+5+7= 22		TOTAL MARKS	70
Unit-I	सर्वदर्शनसंग्रह (माधवाचार्य) : चार्वाकमत एवं जैनमत																		
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Unit-III	भारतीयदर्शन का आलोचनात्मक सर्वेक्षण - भारतीय दर्शन के प्रमुख विचारणीय पक्षों का आलोचनात्मक अध्ययन- आत्मा एवं परमात्मा (ईश्वर), कार्यकारणसिद्धान्त, मोक्ष, कर्म एवं पुनर्जन्म, प्रमाण, प्रामाण्यवाद तथा ख्यातिवाद आदि।																		
Unit-IV	भारतीयदर्शन का आलोचनात्मक सर्वेक्षण - प्रमुख भारतीय दार्शनिक मतों (सांख्य, योग, न्याय, वैशेषिक, मीमांसा, वेदान्त) का ऐतिहासिक सर्वेक्षण। भारतीय दर्शन के प्रमुख आचार्य (जैमिनि, बादरायण, कपिल, पतञ्जलि, गौतम, कणाद, शंकर और वाचस्पति मिश्र) तथा उनके अवदानों का परिचय।																		
(i)	Four long-answer questions (one from each Unit)	12x4 = 48																	
(ii)	Four short notes. One should be must in Sanskrit (one from each Unit)	5+5+5+7= 22																	
	TOTAL MARKS	70																	
OEC 408	New Amendment	<div>OEC-408 : Daśarūpaka & Survey of Sanskrit Poetics दशरूपक एवं संस्कृत-काव्यशास्त्र का सर्वेक्षण</div> <div>Maximum Marks: 100 (70+30)</div> <div>Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits)</div> <div>Unit Wise Division</div> <table><tr><td colspan="2">दशरूपक (अवलोकसहित)</td></tr><tr><td>Unit-I</td><td>दशरूपक - ग्रन्थ का प्रयोजन, रूपक के भेद, रूपकों के भेदकतत्त्व,</td></tr></table>	दशरूपक (अवलोकसहित)		Unit-I	दशरूपक - ग्रन्थ का प्रयोजन, रूपक के भेद, रूपकों के भेदकतत्त्व,													
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OEC-409	New Amendment	<p>OEC-409 : Siddhāntakāumudī (kṛdānta) and History of Sanskrit Grammar सिद्धान्तकौमुदी (कृदन्त) एवं संस्कृत व्याकरणशास्त्र का इतिहास</p> <p>Maximum Marks: 100 (70+30) Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits)</p> <p>Unit Wise Division</p> <table><tr><td>Unit-I</td><td>सिद्धान्तकौमुदी: पूर्वकृदन्तः (क्त-प्रत्ययप्रकरण के द्रवमूर्तिस्पर्शयोः श्यः से विकुशमिपरिभ्यःस्थलम् सूत्रों को छोड़कर)</td></tr><tr><td>Unit-II</td><td>सिद्धान्तकौमुदी: कृदन्त-प्रकरण, उत्तरकृदन्त (उणादिरहित)।</td></tr><tr><td>Unit-III</td><td>संस्कृत व्याकरणशास्त्र का इतिहास - पाणिनिपूर्व वैयाकरण आचार्यों का योगदान, मुनित्रय (पाणिनि, कात्यायन, पतञ्जलि) का काल एवं योगदान, पाणिन्युत्तरव्याकरण-सम्प्रदायों का सर्वेक्षण: चान्द्र, कातन्त्र, जैनेन्द्र, हैम, भोज, सुपद्म, हरिनामामृत आदि।</td></tr><tr><td>Unit-IV</td><td>संस्कृत व्याकरणशास्त्र का इतिहास - अष्टाध्यायी की वृत्ति-परम्परा, पाणिनि-व्याकरण में प्रक्रियाग्रन्थों का योगदान, पाणिनि-परम्परा के दार्शनिक आचार्य :भर्तृहरि, भट्टोजिदीक्षित, कौण्डभट्ट, नागेश आदि।</td></tr></table> <p>Basic Structure of Question Paper & Division of Marks</p> <table><tr><td>(i)</td><td>Eight Explanations of Sutras (two from each Unit)</td><td>8 x 3.5 = 28</td></tr><tr><td>(ii)</td><td>Eight Explanations of the derivational process (two from each Unit)</td><td>8 x 3.5 = 28</td></tr><tr><td>(iii)</td><td>One critical question</td><td>1 x 7 = 7</td></tr><tr><td>(iv)</td><td>One short notes in Sanskrit</td><td>1 x 7 = 7</td></tr><tr><td></td><td>TOTAL</td><td>70</td></tr></table> <p>**Note : (This OEC is opted by the students of Sanskrit other</p>	Unit-I	सिद्धान्तकौमुदी: पूर्वकृदन्तः (क्त-प्रत्ययप्रकरण के द्रवमूर्तिस्पर्शयोः श्यः से विकुशमिपरिभ्यःस्थलम् सूत्रों को छोड़कर)	Unit-II	सिद्धान्तकौमुदी: कृदन्त-प्रकरण, उत्तरकृदन्त (उणादिरहित)।	Unit-III	संस्कृत व्याकरणशास्त्र का इतिहास - पाणिनिपूर्व वैयाकरण आचार्यों का योगदान, मुनित्रय (पाणिनि, कात्यायन, पतञ्जलि) का काल एवं योगदान, पाणिन्युत्तरव्याकरण-सम्प्रदायों का सर्वेक्षण: चान्द्र, कातन्त्र, जैनेन्द्र, हैम, भोज, सुपद्म, हरिनामामृत आदि।	Unit-IV	संस्कृत व्याकरणशास्त्र का इतिहास - अष्टाध्यायी की वृत्ति-परम्परा, पाणिनि-व्याकरण में प्रक्रियाग्रन्थों का योगदान, पाणिनि-परम्परा के दार्शनिक आचार्य :भर्तृहरि, भट्टोजिदीक्षित, कौण्डभट्ट, नागेश आदि।	(i)	Eight Explanations of Sutras (two from each Unit)	8 x 3.5 = 28	(ii)	Eight Explanations of the derivational process (two from each Unit)	8 x 3.5 = 28	(iii)	One critical question	1 x 7 = 7	(iv)	One short notes in Sanskrit	1 x 7 = 7		TOTAL	70
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OEC- 410	New Amendment	<p>OEC-410: Āpastambadharmasūtra & History of Dharmaśāstra आपस्तम्बधर्मसूत्र एवं धर्मशास्त्र का इतिहास</p> <p>Maximum Marks: 100 (70+30)</p> <p>Duration: 64 hrs. (16 weeks)</p> <p>(4 Theories = 4 credits)</p> <p>Unit Wise Division</p> <table><tr><td>Unit-I</td><td>आपस्तम्बधर्मसूत्र - प्रथम प्रश्न</td></tr><tr><td>Unit-II</td><td>आपस्तम्बधर्मसूत्र - द्वितीय प्रश्न) ।</td></tr><tr><td>Unit-III</td><td>धर्मशास्त्र का इतिहास - धर्मशास्त्र के आचार्य - मेघातिथि, विज्ञानेश्वर, लक्ष्मीधर, जीमूतवाहन, देवणभट्ट, चण्डेश्वर, माधवाचार्य, वाचस्पतिमिश्र, कमलाकरभट्ट, मित्रमिश्र, रघुनन्दन।</td></tr><tr><td>Unit-IV</td><td>धर्मशास्त्र का इतिहास - धर्मशास्त्र के प्रमुखसिद्धान्त - वर्ण, आश्रम, संस्कार, स्त्रियों की स्थिति, श्रौतयाग, राजधर्म, दण्डव्यवस्था, धर्मशास्त्र विषयक आधुनिक अध्ययन (स्वातन्त्र्योत्तरकाल)]</td></tr></table> <p>Basic Structure of Question Paper & Division of Marks</p> <table><tr><td>(i)</td><td>Four Explanations (one from each of the Units)</td><td>4 x 7 = 28</td></tr><tr><td>(ii)</td><td>Four short notes (one from each of the Units with options, one in Sanskrit)</td><td>5+5+5+07=22</td></tr><tr><td>(iii)</td><td>Two critical Questions (One from each of the units with options)</td><td>02x10=20</td></tr><tr><td></td><td></td><td>Total: 70</td></tr></table> <p>**Note : (This OEC is opted by the students of Sanskrit other than “E” Group)</p>	Unit-I	आपस्तम्बधर्मसूत्र - प्रथम प्रश्न	Unit-II	आपस्तम्बधर्मसूत्र - द्वितीय प्रश्न) ।	Unit-III	धर्मशास्त्र का इतिहास - धर्मशास्त्र के आचार्य - मेघातिथि, विज्ञानेश्वर, लक्ष्मीधर, जीमूतवाहन, देवणभट्ट, चण्डेश्वर, माधवाचार्य, वाचस्पतिमिश्र, कमलाकरभट्ट, मित्रमिश्र, रघुनन्दन।	Unit-IV	धर्मशास्त्र का इतिहास - धर्मशास्त्र के प्रमुखसिद्धान्त - वर्ण, आश्रम, संस्कार, स्त्रियों की स्थिति, श्रौतयाग, राजधर्म, दण्डव्यवस्था, धर्मशास्त्र विषयक आधुनिक अध्ययन (स्वातन्त्र्योत्तरकाल)]	(i)	Four Explanations (one from each of the Units)	4 x 7 = 28	(ii)	Four short notes (one from each of the Units with options, one in Sanskrit)	5+5+5+07=22	(iii)	Two critical Questions (One from each of the units with options)	02x10=20			Total: 70									
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OEC-411	New Amendment	<p>OEC-411: Indian Paleography भारतीयपुरालिपि-शास्त्र</p> <p>Maximum Marks: 100 (70+30)</p> <p>Duration: 64 hrs. (16 weeks)</p> <p>(4 Theories = 4 credits)</p> <p>Unit Wise Division</p> <table><tr><td>Unit-I</td><td>1.भारत में लेखन कला की प्राचीनता 2.प्राचीन भारत में प्रयुक्त होने वाली लिपियों का वर्णन 3.भारतीय लिपियों की उत्पत्ति 4.अशोक के काल से लेकर 8 वीं शती तक ब्राह्मी लिपि एवं खरोष्ठी लिपि का विकास</td></tr><tr><td>Unit-II</td><td>1.लेखनकला की सामग्री, पुस्तकालय एवं संग्रहालय का प्रयोग 2.लेखन एवं उत्कीर्णन का व्यवसाय 3.अभिलेखों के वर्गीकरण 4.अभिलेखों के संकलन के प्रकार 5.अभिलेखों में आगतसंवत् क (विक्रमसंवत्, ख (शकसंवत्, ग (गुप्तसंवत्, घ (हर्षसंवत्</td></tr><tr><td>Unit-III</td><td>भारत में अभिलेख के अध्ययन का इतिहास</td></tr><tr><td>Unit-IV</td><td>अभिलेखों के अध्ययन का महत्त्व</td></tr></table> <p>Basic Structure of Question Paper & Division of Marks</p> <table><tr><td>(i)</td><td>Two questions (From first unit)</td><td>8 x 2 = 16</td></tr><tr><td>(ii)</td><td>Introduction to the two characters (for development of Brahmi Script)</td><td>7 x 1 = 07</td></tr><tr><td>(iii)</td><td>Three questions (From II unit)</td><td>8 x 3 = 24</td></tr><tr><td>(iv)</td><td>One short notes (About Samvat, from II unit)</td><td>7 x 1 = 07</td></tr><tr><td>(v)</td><td>One Question (From III unit)</td><td>9 x 1 = 09</td></tr><tr><td>(vi)</td><td>Two Short notes in Sanskrit (From IV unit)</td><td>3.5 x 2 = 07</td></tr><tr><td></td><td>Total Marks</td><td>70</td></tr></table> <p>**Note : (This OEC is opted by the students of Sanskrit other than “F” Group)</p>	Unit-I	1.भारत में लेखन कला की प्राचीनता 2.प्राचीन भारत में प्रयुक्त होने वाली लिपियों का वर्णन 3.भारतीय लिपियों की उत्पत्ति 4.अशोक के काल से लेकर 8 वीं शती तक ब्राह्मी लिपि एवं खरोष्ठी लिपि का विकास	Unit-II	1.लेखनकला की सामग्री, पुस्तकालय एवं संग्रहालय का प्रयोग 2.लेखन एवं उत्कीर्णन का व्यवसाय 3.अभिलेखों के वर्गीकरण 4.अभिलेखों के संकलन के प्रकार 5.अभिलेखों में आगतसंवत् क (विक्रमसंवत्, ख (शकसंवत्, ग (गुप्तसंवत्, घ (हर्षसंवत्	Unit-III	भारत में अभिलेख के अध्ययन का इतिहास	Unit-IV	अभिलेखों के अध्ययन का महत्त्व	(i)	Two questions (From first unit)	8 x 2 = 16	(ii)	Introduction to the two characters (for development of Brahmi Script)	7 x 1 = 07	(iii)	Three questions (From II unit)	8 x 3 = 24	(iv)	One short notes (About Samvat, from II unit)	7 x 1 = 07	(v)	One Question (From III unit)	9 x 1 = 09	(vi)	Two Short notes in Sanskrit (From IV unit)	3.5 x 2 = 07		Total Marks	70
Unit-I	1.भारत में लेखन कला की प्राचीनता 2.प्राचीन भारत में प्रयुक्त होने वाली लिपियों का वर्णन 3.भारतीय लिपियों की उत्पत्ति 4.अशोक के काल से लेकर 8 वीं शती तक ब्राह्मी लिपि एवं खरोष्ठी लिपि का विकास																														
Unit-II	1.लेखनकला की सामग्री, पुस्तकालय एवं संग्रहालय का प्रयोग 2.लेखन एवं उत्कीर्णन का व्यवसाय 3.अभिलेखों के वर्गीकरण 4.अभिलेखों के संकलन के प्रकार 5.अभिलेखों में आगतसंवत् क (विक्रमसंवत्, ख (शकसंवत्, ग (गुप्तसंवत्, घ (हर्षसंवत्																														
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OEC 412	New Amendment	<p>OEC-412: Sanskrit Novel and Survey of Modern Sanskrit Literature संस्कृत उपन्यास तथा आधुनिक संस्कृत साहित्य का सर्वेक्षण</p> <p>Maximum Marks: 100 (70+30)</p>																													

		<div>Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits)</div> <div>Unit Wise Division<table><tr><td>Unit-I</td><td>सीमा (उपन्यास) 1-2 परिच्छेद</td></tr><tr><td>Unit-II</td><td>सीमा (उपन्यास) 3-4 परिच्छेद</td></tr><tr><td>Unit-III</td><td>प्रमुख आधुनिक संस्कृत महाकाव्य ,रूपक एवं गद्यकाव्य ,आधुनिक संस्कृत साहित्य की प्रमुख नवीन विधाएँ एवं प्रवृत्तियाँ</td></tr><tr><td>Unit-IV</td><td>आधुनिक संस्कृत के प्रतिनिधि साहित्यकार – अम्बिकादत्त व्यास, मथुराप्रसाद दीक्षित, हरिदास सिद्धान्तवागीश, अप्पाराशिव रेडकर, हृषीकेश भट्टाचार्य, श्रीधर भास्कर वर्णेकर, मूलशंकर माणिकलाल याज्ञिक, वीरेन्द्र कुमार भट्टाचार्य, यतीन्द्र विमल चौधुरी, रमा चौधुरी, लीलाराव दयाल, श्रीपाद हसूरकर, वसन्त त्र्यम्बक शेवडे, ओगेष्टि शर्मा परीक्षित, भट्टमथुरानाथ शास्त्री, जानकीवल्लभ शास्त्री, सत्यव्रत शास्त्री, रसिकविहारी जोशी, अभिराज राजेन्द्र मिश्र, केशवचन्द्र दास, हर्षदेव माधव, कालिका प्रसाद शुक्ल, परमानन्द शास्त्री।</td></tr></table><div>Basic Structure of Question Paper & Division of Marks<table><tr><td>(i)</td><td>Four Explanations (one from each of the Units)</td><td>04x 7= 28</td></tr><tr><td>(ii)</td><td>Four short notes (one from each of the Units with options, one in Sanskrit)</td><td>5+5+5+07=22</td></tr><tr><td>(iii)</td><td>Two critical Questions (One from each of the units with options)</td><td>02x10=20</td></tr><tr><td colspan="2">Total Marks</td><td>70</td></tr></table><div>**Note : (This OEC is opted by the students of Sanskrit other than “G” Group)</div></div></div>	Unit-I	सीमा (उपन्यास) 1-2 परिच्छेद	Unit-II	सीमा (उपन्यास) 3-4 परिच्छेद	Unit-III	प्रमुख आधुनिक संस्कृत महाकाव्य ,रूपक एवं गद्यकाव्य ,आधुनिक संस्कृत साहित्य की प्रमुख नवीन विधाएँ एवं प्रवृत्तियाँ	Unit-IV	आधुनिक संस्कृत के प्रतिनिधि साहित्यकार – अम्बिकादत्त व्यास, मथुराप्रसाद दीक्षित, हरिदास सिद्धान्तवागीश, अप्पाराशिव रेडकर, हृषीकेश भट्टाचार्य, श्रीधर भास्कर वर्णेकर, मूलशंकर माणिकलाल याज्ञिक, वीरेन्द्र कुमार भट्टाचार्य, यतीन्द्र विमल चौधुरी, रमा चौधुरी, लीलाराव दयाल, श्रीपाद हसूरकर, वसन्त त्र्यम्बक शेवडे, ओगेष्टि शर्मा परीक्षित, भट्टमथुरानाथ शास्त्री, जानकीवल्लभ शास्त्री, सत्यव्रत शास्त्री, रसिकविहारी जोशी, अभिराज राजेन्द्र मिश्र, केशवचन्द्र दास, हर्षदेव माधव, कालिका प्रसाद शुक्ल, परमानन्द शास्त्री।	(i)	Four Explanations (one from each of the Units)	04x 7= 28	(ii)	Four short notes (one from each of the Units with options, one in Sanskrit)	5+5+5+07=22	(iii)	Two critical Questions (One from each of the units with options)	02x10=20	Total Marks		70
Unit-I	सीमा (उपन्यास) 1-2 परिच्छेद																					
Unit-II	सीमा (उपन्यास) 3-4 परिच्छेद																					
Unit-III	प्रमुख आधुनिक संस्कृत महाकाव्य ,रूपक एवं गद्यकाव्य ,आधुनिक संस्कृत साहित्य की प्रमुख नवीन विधाएँ एवं प्रवृत्तियाँ																					
Unit-IV	आधुनिक संस्कृत के प्रतिनिधि साहित्यकार – अम्बिकादत्त व्यास, मथुराप्रसाद दीक्षित, हरिदास सिद्धान्तवागीश, अप्पाराशिव रेडकर, हृषीकेश भट्टाचार्य, श्रीधर भास्कर वर्णेकर, मूलशंकर माणिकलाल याज्ञिक, वीरेन्द्र कुमार भट्टाचार्य, यतीन्द्र विमल चौधुरी, रमा चौधुरी, लीलाराव दयाल, श्रीपाद हसूरकर, वसन्त त्र्यम्बक शेवडे, ओगेष्टि शर्मा परीक्षित, भट्टमथुरानाथ शास्त्री, जानकीवल्लभ शास्त्री, सत्यव्रत शास्त्री, रसिकविहारी जोशी, अभिराज राजेन्द्र मिश्र, केशवचन्द्र दास, हर्षदेव माधव, कालिका प्रसाद शुक्ल, परमानन्द शास्त्री।																					
(i)	Four Explanations (one from each of the Units)	04x 7= 28																				
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(iii)	Two critical Questions (One from each of the units with options)	02x10=20																				
Total Marks		70																				
OEC 413	New Amendment	<div>OEC-413: Survey of Puranic Literature पौराणिक साहित्य का सर्वेक्षण</div> <div>Maximum Marks: 100 (70+30)</div> <div>Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits)</div> <div>Unit Wise Division<table><tr><td>Unit-I</td><td>पुराणों की परिभाषा, पुराणों का विभाजन, पुराणों एवं उपपुराणों की भाषा और शैली</td></tr><tr><td>Unit-II</td><td>पुराणों एवं उपपुराणों की विषयवस्तु, पुराणों का ऐतिहासिक महत्त्व</td></tr><tr><td>Unit-III</td><td>पुराणों एवं उपपुराणों में भौगोलिक सामग्री, पुराणों का सांस्कृतिक महत्त्व</td></tr><tr><td>Unit-IV</td><td>पौराणिक धर्मों की प्रकृति, रचनात्मक साहित्य के स्रोतग्रन्थ के रूप में पुराण</td></tr></table><div>Basic Structure of Question Paper & Division of Marks<table><tr><td>(i)</td><td>Four long-answer questions (one from each Unit)</td><td>14+14+14+14 = 56</td></tr><tr><td>(ii)</td><td>Two short notes (One to be answered in Sanskrit)</td><td>7+7= 14</td></tr><tr><td colspan="2">Total Marks</td><td>70</td></tr></table><div>**Note : (This OEC is opted by the students of Sanskrit other than “H” Group)</div></div></div>	Unit-I	पुराणों की परिभाषा, पुराणों का विभाजन, पुराणों एवं उपपुराणों की भाषा और शैली	Unit-II	पुराणों एवं उपपुराणों की विषयवस्तु, पुराणों का ऐतिहासिक महत्त्व	Unit-III	पुराणों एवं उपपुराणों में भौगोलिक सामग्री, पुराणों का सांस्कृतिक महत्त्व	Unit-IV	पौराणिक धर्मों की प्रकृति, रचनात्मक साहित्य के स्रोतग्रन्थ के रूप में पुराण	(i)	Four long-answer questions (one from each Unit)	14+14+14+14 = 56	(ii)	Two short notes (One to be answered in Sanskrit)	7+7= 14	Total Marks		70			
Unit-I	पुराणों की परिभाषा, पुराणों का विभाजन, पुराणों एवं उपपुराणों की भाषा और शैली																					
Unit-II	पुराणों एवं उपपुराणों की विषयवस्तु, पुराणों का ऐतिहासिक महत्त्व																					
Unit-III	पुराणों एवं उपपुराणों में भौगोलिक सामग्री, पुराणों का सांस्कृतिक महत्त्व																					
Unit-IV	पौराणिक धर्मों की प्रकृति, रचनात्मक साहित्य के स्रोतग्रन्थ के रूप में पुराण																					
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OEC 414	New Amendment	<div>OEC- 414 Survey of Indian Astrology भारतीय ज्योतिषशास्त्र का सर्वेक्षण</div> <div>Maximum Marks: 100 (70+30)</div> <div>Duration: 64 hrs. (16 weeks) (4 Theories = 4 credits)</div> <div>Unit Wise Division<table><tr><td>Unit-I</td><td>ज्योतिषशास्त्र की परिभाषा, ज्योतिषशास्त्र का उद्भव, क्रमिकविकास, पञ्चस्कन्धात्मक ज्योतिष, ज्योतिषशास्त्र का महत्त्व, उपयोगिता व कालविभाजन) वर्गीकरण(</td></tr><tr><td>Unit-II</td><td>पञ्चंग, प्रश्नशास्त्र, रमलशास्त्र, शकुनशास्त्र, वास्तुशास्त्र, सामुद्रिकशास्त्र, मुहूर्तविचार।</td></tr></table></div>	Unit-I	ज्योतिषशास्त्र की परिभाषा, ज्योतिषशास्त्र का उद्भव, क्रमिकविकास, पञ्चस्कन्धात्मक ज्योतिष, ज्योतिषशास्त्र का महत्त्व, उपयोगिता व कालविभाजन) वर्गीकरण(Unit-II	पञ्चंग, प्रश्नशास्त्र, रमलशास्त्र, शकुनशास्त्र, वास्तुशास्त्र, सामुद्रिकशास्त्र, मुहूर्तविचार।																
Unit-I	ज्योतिषशास्त्र की परिभाषा, ज्योतिषशास्त्र का उद्भव, क्रमिकविकास, पञ्चस्कन्धात्मक ज्योतिष, ज्योतिषशास्त्र का महत्त्व, उपयोगिता व कालविभाजन) वर्गीकरण(
Unit-II	पञ्चंग, प्रश्नशास्त्र, रमलशास्त्र, शकुनशास्त्र, वास्तुशास्त्र, सामुद्रिकशास्त्र, मुहूर्तविचार।																					

		Unit-III	प्राचीन आचार्यों के ग्रन्थ एवं उनका परिचय) आर्यभट्ट-प्रथम, आर्यभट्ट-द्वितीय, कालकाचार्य, वराहमिहिर, कल्याणवर्मा, ब्रह्मगुप्त, मुंजाल, भट्टोत्पल, भास्कराचार्य, बल्लालसेन, केशवद्वितीय, गणेशदैवज्ञ, हुण्डिराज।	
		Unit-IV	मास, ऋतु, अयन, वर्ष, युग, ग्रहकक्षा, नक्षत्र, ग्रहराशि, ग्रहण, भावविचार, योगविचार, विषुवदिनविचार, सौरमास, करण, सावनदिन, उत्तरगोल, अमावस्या, पूर्णिमा।	
		Basic Structure of Question Paper & Division of Marks		
		(i)	Four Explanations of definitions (from I ,II & III Units)	04x 7= 28
		(ii)	Four short notes (from IV th Unit with options, one in Sanskrit)	5+5+5+07=22
		(iii)	Two critical Questions (From I, II & III units with options)	02x10=20
			Total	70
		**Note : (This OEC is opted by the students of Sanskrit other than "I" Group)		

B.A (Hons.) Sanskrit

Paper No.	Existing	Amendment
C-12	<p style="text-align: center;">C-12 Sanskrit Grammar: Laghusiddhāntkaumudī (12131502) Max. Marks : (75+ 25 = 100) Credits : Lectures 60 + Tutorials 12</p> <p>[C] Contents: Unit: I Saṁjñā and Sandhi Prakaraṇa from Laghusiddhāntkaumudī: Credits : 12</p> <ul style="list-style-type: none"> Sutra's of Saṁjñā Ach Sandhi: <p>(Dīrgha, Yaṇ, Guṇa, Ayādi, Vṛddhi, Pūrvarūpa, Pararūpa)</p> <p>Unit: II Hal sandhi and visarga sandhi Credits : 12</p> <ul style="list-style-type: none"> Sutra's of Hal Sandhi and Visarga Sandhi: <p>(Ścutva, Ṣṭutva, Anunāsikātva, Chatva, Jaṣṭva, Ṣatva, Utva, Lopa)</p> <p>Unit:III Practice of Applications of Sandhis in prescribed texts literary texts Credits : 12</p> <p>Unit:IV Samāsa Prakaraṇa from Laghusiddhāntkaumudī Credits : 10</p> <p>Major sutras used in formation of Avyayībhāva Samāsa and Tatpuruṣa Samāsa</p>	<p style="text-align: center;">C-12 Sanskrit Grammar: Laghusiddhāntkaumudī (12131502) Max. Marks : (75+ 25 = 100) Credits : Lectures 60 + Tutorials 12</p> <p>[C] Contents: Unit: I Saṁjñā and Sandhi Prakaraṇa from Laghusiddhāntkaumudī: Credits : 12</p> <ul style="list-style-type: none"> Sutra's of Saṁjñā Ach Sandhi: <p>(Dīrgha, Yaṇ, Ayādi, Guṇa, Vṛddhi, Pūrvarūpa, Pararūpa)</p> <p>Unit: II Hal sandhi and visarga sandhi Credits : 12</p> <ul style="list-style-type: none"> Sutra's of Hal Sandhi and Visarga Sandhi: <p>(Ścutva, Ṣṭutva, Anunāsikātva, Chatva, Jaṣṭva, Ṣatva, Utva, Lopa)</p> <p>Unit:III Samāsa Prakaraṇa from Laghusiddhāntkaumudī Credits : 10</p> <p>Major sutras used in formation of Avyayībhāva Samāsa</p> <p>Unit: IV Tatpuruṣa Samāsa from Laghusiddhāntkaumudī Credits : 10</p> <p>Major sutras used in formation of Tatpuruṣa Samāsa</p>

<p>Unit: V Dvandva and Bahubṛīhi Samāsa from Laghusiddhāntkaumudī</p> <p style="text-align: right;">Credits: 07</p> <p>Major Sutras for the formation of Dvandva and Bahubṛīhi Samāsa</p> <p>Unit: VI Kṛdanta from Laghusiddhāntkaumudī</p> <p style="text-align: right;">Credits : 07</p> <p>Major sutras for the formation of Taddhita words (Aṇ, Iñ , Ḍhak, Tal, Aṇ, Vuñ, Yat, Cha, Mayaṭ, Tva, Tal, Imanic, Śyañ , Matup, In, Ṭhañ, Itac)</p> <p>[G] Assessment Method</p> <p>I. Basic Structure of Question Paper & Division of Marks 75</p> <table><tr><td>i</td><td>Explanations of 6 sutras (Units 1,2,4,5,6)</td><td>06x 05 = 30</td></tr><tr><td>ii</td><td>formation of 5 words (Units 1,2,4, 5,6)</td><td>05 x 5 = 25</td></tr><tr><td>iii</td><td>Questions on applied grammar from prescribed texts (from Unit 2,4,5,6)</td><td>7 x 02 = 14</td></tr><tr><td>iv</td><td>One explanation of a sutra to be written in Sanskrit</td><td>01x07 = 07</td></tr></table> <p>II. Internal Assessment 25 (Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)</p> <p>Total Marks : (I+II) (75+25) = 100</p>	i	Explanations of 6 sutras (Units 1,2,4,5,6)	06x 05 = 30	ii	formation of 5 words (Units 1,2,4, 5,6)	05 x 5 = 25	iii	Questions on applied grammar from prescribed texts (from Unit 2,4,5,6)	7 x 02 = 14	iv	One explanation of a sutra to be written in Sanskrit	01x07 = 07	<p>Unit: V Bahubṛīhi and Dvandva Samāsa from Laghusiddhāntkaumudī.</p> <p style="text-align: right;">Credits: 09</p> <p>Major Sutras for the formation of Bahubṛīhi and Dvandva Samāsa</p> <p>Unit: VI Taddhita from Laghusiddhāntkaumudī</p> <p style="text-align: right;">Credits : 07</p> <p>Major sutras for the formation of Taddhitānta words (Aṇ, Iñ , Ḍhak, Aṇ, Tal, Vun, Yat, Cha, Mayaṭ, Tva, Tal, Imanic, Śyañ , Matup, In, Ṭhan, Itac)</p> <p>[G] Assessment Method</p> <p>I. Basic Structure of Question Paper & Division of Marks 75</p> <table><tr><td>i</td><td>Explanations of 6 sutras (Units 1,2,3,4,5,6)</td><td>06x 05 = 30</td></tr><tr><td>ii</td><td>formation of 5 words (Units 1,2,3,4,5,6)</td><td>05 x 5 = 25</td></tr><tr><td>iii</td><td>Questions on applied grammar from prescribed texts (from Unit 2,3,4,5,6)</td><td>7 x 02 = 14</td></tr><tr><td>iv</td><td>One explanation of a sutra to be written in Sanskrit</td><td>01x06 = 06</td></tr></table> <p>II. Internal Assessment 25 (Project/Discussion/Assignment/ paper presentation/ Periodic tests etc.)</p> <p>Total Marks : (I+II) (75+25) = 100</p>	i	Explanations of 6 sutras (Units 1,2,3,4,5,6)	06x 05 = 30	ii	formation of 5 words (Units 1,2,3,4,5,6)	05 x 5 = 25	iii	Questions on applied grammar from prescribed texts (from Unit 2,3,4,5,6)	7 x 02 = 14	iv	One explanation of a sutra to be written in Sanskrit	01x06 = 06
i	Explanations of 6 sutras (Units 1,2,4,5,6)	06x 05 = 30																							
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iv	One explanation of a sutra to be written in Sanskrit	01x07 = 07																							
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iv	One explanation of a sutra to be written in Sanskrit	01x06 = 06																							

21. Amendment to Appendix II to Ordinance V(2) & VII. [E.C. Res. No. 42-5 dated 17.12.2021] related to the modification of M.A. English course under UGC LOCF in the Department of English to be implemented from the Academic Session 2021-22.

M.A. English Programme details

Programme Structure	
Existing	Amended
<p>The English programme is a two-year course divided into four-semester. A student is required to complete 80 credits (i.e. 2 Core and 2 Elective Courses in each of the four semesters) for the completion of course and the award of degree. However, if the student wishes so, she can opt for an Open Elective Course in the Second and/or the fourth semesters for acquiring additional credits.</p>	<p>The English programme is a two year course divided into four semesters. A student is required to complete 88 credits (i.e. 12 Core, 04 Elective and 02 Open Elective Courses in the entire four semesters) for the completion of course and the award of degree</p>

Course credit Scheme

Existing						Amended					
Semester I						Semester I					
Core courses		Elective course		Open elective course		Core courses		Elective course		Open elective course	
No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)
02	(4+1) x 2	02	(4 + 1) x 2	Nil		04	(4+1) x 4	Nil		Nil	
Total: 10		Total : 10				Total: 20					
TOTAL :20						TOTAL :20					
Semester 2						Semester 2					
Core courses		Elective course		Open elective course		Core courses		Elective course		Open elective course	
No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)
02	(4+1) x 2	02	(4 + 1) x 2	01	4 x 1	04	(4+1) x 2	Nil		Nil	
Total: 10		Total : 10		Total : 4		Total: 20					
TOTAL :24						TOTAL :20					
Semester 3						Semester 3					
Core courses		Elective course		Open elective course		Core courses		Elective course		Open elective course	
No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)
02	(4+1) x 2	02	(4 + 1) x 2	Nil		02	(4+1) x 2	02	(4 + 1) x 2	01	4 x 1
Total: 10		Total : 10				Total: 10		Total : 10		Total : 4	
TOTAL :20						TOTAL :24					
Semester 4						Semester 4					
Core courses		Elective course		Open elective course		Core courses		Elective course		Open elective course	
No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)	No. of papers	Credits (L+T/P)
02	(4+1) x 2	02	(4 + 1) x 2	01	4 x 1	02	(4+1) x 2	02	(4 + 1) x 2	01	4 x 1
Total: 10		Total : 10		Total : 4		Total: 10		Total : 10		Total :4	
TOTAL :24						TOTAL :24					
Total Credits for the course : 88						Total Credits for the course : 88					
Semester I/II/III/IV (individually for each semester)											
Existing						Amended					
No. of core courses		Credits in each Core Courses				No. of core courses		Credits in each Core Courses			
courses	Theory	Practical	Tutorial	Credits		courses	Theory	Practical	Tutorial	Credits	

Core Course 1	4		1	5
Core Course 2	4		1	5
Core Course 3	4		1	5
Core Course 4	4		1	5
Core Course 5	4		1	5
Core Course 6	4		1	5
Core Course 7	4		1	5
Core Course 8	4		1	5
Total credits in core course	40			

Core Course 1	4		1	5
Core Course 2	4		1	5
Core Course 3	4		1	5
Core Course 4	4		1	5
Core Course 5	4		1	5
Core Course 6	4		1	5
Core Course 7	4		1	5
Core Course 8	4		1	5
Core Course 9	4		1	5
Core Course 10	4		1	5
Core Course 11	4		1	5
Core Course 12	4		1	5
Total credits in core course	60			

Existing				
No. of Elective courses	Credits in each Elective Courses			
Credits in each elective course	Theory	Practical	Tutorial	Credits
Elective Course 1	4		1	5
Elective Course 2	4		1	5

Amended				
No. of Elective courses	Credits in each Elective Courses			
Credits in each elective course	Theory	Practical	Tutorial	Credits
Elective Course 1	4		1	5
Elective Course	4		1	5

Elective Course 3	4		1	5
Elective Course 4	4		1	5
Elective Course 5	4		1	5
Elective Course 6	4		1	5
Elective Course 7	4		1	5
Elective Course 8	4		1	5
Total credits in Elective course	40			

2				
Elective Course 3	4		1	5
Elective Course 4	4		1	5
Total credits in Elective course	20			

No. of Open Electives	Credits in each Open Elective			
Credits in each open elective courses	Theory	Practical	Tutorial	Credits
Open Elective 1	4			4
Open Elective 2	4			4
Total credits in Open Elective	08			

No. of Open Electives	Credits in each Open Elective			
Credits in each open elective courses	Theory	Practical	Tutorial	Credits
Open Elective 1	4			4
Open Elective 2	4			4
Total credits in Open Elective	08			

Total credits in Semester I + II + III + IV : 88				
List of Core Courses				
1. LLC I (Medieval) (CORE)				
2. LLC II (Early Modern World) (CORE)				
3. LLC III (16th and 17th Century Drama) (CORE)				
4. Criticism and Theory I (CORE)				
5. LLC IV (Long 18th Century) (CORE)				
6. LLC V (Long 19th Century) (CORE)				
7. LLC VI (Long 20th century) (CORE)				
8. Post-independence Indian Literature (CORE)				
List of Elective Courses				

Total credits in Semester I + II + III + IV : 88				
List of Core Courses				
Semester - I				
1. ENG I (Core): Medieval Literature				
2. ENG II (Core) : Early Modern World				
3. ENG III (Core) : Post –independence Indian Literature				
4. ENG IV (Core) : Fiction				
Semester –II				
5. ENG V (core) : 16 th and 17 th Century Drama				
6. ENG VI (Core) : Criticism and Theory I				
7. ENG VII (Core): Postcolonial Literatures and Theory				
8. ENG VIII (Core) : Disability Studies and Literar				

<p>9. Classical to Pre-modern Literatures (ELECTIVE)</p> <p>10. Poetry 1 (ELECTIVE)</p> <p>11. Aesthetics and Literature (ELECTIVE)</p> <p>12. Politics, Philosophy and Literature (ELECTIVE)</p> <p>13. Introduction to the Study of Language (ELECTIVE)</p> <p>14. Poetry 2 (ELECTIVE)</p> <p>15. Fiction (ELECTIVE)</p> <p>16. Literature of the Americas (ELECTIVE)</p> <p>17. Postcolonial Literatures and Theory (ELECTIVE)</p> <p>18. Research Methodology (ELECTIVE)</p> <p>19. Criticism and Theory 2 (ELECTIVE)</p> <p>20. Gender Studies (ELECTIVE)</p> <p>21. Dissertation (ELECTIVE)</p> <p>22. Religion and Literature (ELECTIVE)</p> <p>List of Open Elective Courses</p> <p>23. Dalit Studies (OPEN ELECTIVE)</p> <p>24. Visual Studies (OPEN ELECTIVE)</p> <p>25. Discursive Prose (OPEN ELECTIVE)</p> <p>26. Violence and Memory Studies (OPEN ELECTIVE)</p> <p>27. Disability Studies (OPEN ELECTIVE)</p>	<p>Representations</p> <p>Semester – III</p> <p>9. ENG IX (core) : The Long Eighteenth Century</p> <p>10. ENG X (core): The Long Nineteenth Century</p> <p>11. ENG XI (Elective): Classical to Pre-modern Literatures</p> <p>12. ENG XII (Elective): Poetry I</p> <p>13. ENG XIII (Elective): Aesthetics and Literature</p> <p>14. ENG XIV (Elective): Politics, Literature and Philosophy</p> <p>15. ENG XV (Elective) : Research Methodology</p> <p>16. ENG XVI (Open Elective): Visual Studies</p> <p>17. ENG XVII (Open Elective): Gender Studies</p> <p>Semester IV</p> <p>18. ENG XVIII (Core): The Long Twentieth Century</p> <p>19. ENG XIX (Core): Dalit Studies</p> <p>20. ENG XX (Open Elective): Introduction to the Study of Language</p> <p>21. ENG XXI (Elective): Poetry II</p> <p>22. ENG XXII (Elective): Literatures of the Americas</p> <p>23. ENG XXIII (Elective): Criticism and Theory II</p> <p>24. ENG XXIV (Elective): Religion and Literature</p> <p>25. ENG XXV (Elective): Dissertation</p> <p>26. ENG XXVI (Open Elective): Discursive Prose</p> <p>27. ENG XXVII (Open Elective) : Violence and Memory Studies</p>
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22. Amendment to Appendix II to Ordinance V (2) & VII. [E.C Res. No. 42-7 dated 17.12.2021] related to the modification under UGC LOCF of M.A Arabic Course under the Department of Arabic to be implemented from academic session 2021-2022.

Existing	Amended
<p>Semester –I</p> <p>1. Course Code: 101</p> <p>2. Course Code: 102</p> <p>3. Course Code: 103</p> <p>4. Course Code: 104</p> <p>Semester - II</p> <p>1. Course Code: 201</p> <p>2. Course Code: 202</p> <p>3. Course Code: 203</p> <p>Translation & Essay Writing-II</p> <p>Contents :</p> <p>Credits</p> <p>Unit-I</p> <p>(a) Political & Scientific Translation (Arabic-English & vice-versa)</p> <p>Unit II:</p>	<p>Semester-I</p> <p>1. Course Code: 120101101</p> <p>2. Course Code: 120101102</p> <p>3. Course Code: 120101103</p> <p>4. Course Code: 120101104</p> <p>Semester - II</p> <p>1. Course Code: 120101201</p> <p>2. Course Code: 120101202</p> <p>3. Course Code: 120101203</p> <p>History of Arabic Literature (Abbasid Period & Modern Period-II)</p> <p>Contents :</p> <p>Credits : 06</p> <p>Unit I:</p> <p>Abbasid Period (750 A.D. to 1258 A.D.)</p>

<p>(b) Economic & Commercial Translation (Arabic-English & vice-versa)</p> <p>Unit III:</p> <p>(c) Translation of technical terminologies (Arabic-English & vice-versa).</p> <p>Unit IV:</p> <p>(d) Essay Writing</p> <p>(e) Interpretation</p> <p>4. Course Code 204(A) IDC / Open Elective Course Arabic Language –I Introduction; Reading and Writing</p> <p>Contents : Credits</p> <p>Unit – I: Introduction</p> <ol style="list-style-type: none"> 1. Arabic Language: Origin & Brief History 2. Impact & Interaction of Arabic with other Languages 3. Arabic in the medieval and modern era. <p>Unit – II: Reading</p> <ol style="list-style-type: none"> 1. Arabic Alphabet 2. Vowels, Signs & Other Symbols 3. Reading of Joint Letters 4. Sun letters and Moon letters 5. Gender, Definite and Indefinite Noun <p>Unit – III Writing</p> <ol style="list-style-type: none"> 1. Practice of writing the separate letters 2. Practice of writing joint letters & sentences 3. Taking dictations 4. Demonstrative Pronouns (Singular only) <p>Unit – IV Listening & Speaking</p> <ol style="list-style-type: none"> 1. Arabic numerals 1 – 10 2. Self-introduction & Greetings 3. Words of daily usage week days, months, colours, fruits & vegetables etc. 4. Simple Nominal Sentences 5. Simple Verbal Sentences <p>4 (A) Course Code: 204 (B) IDC / Open Elective Course Introduction to Arab Culture 204 (B) Introduction to Arab Culture Contents: Unit I:</p> <ol style="list-style-type: none"> 1. Arabian Peninsula: An Introduction 2. Arabs – Anthropological prospective 3. Characteristics of Bedouin life in Arabia 	<p>Prose: Introduction to Abbasid prose with special reference to Ibn al-Muqaffa', al-Jāhī z, Ibn al-'Amīd, and al-Ḥarīrī</p> <p>Unit II: Abbasid Period (750 A.D. to 1258 A.D.)</p> <p>Poetry: An Introduction to Abbasid Poetry with special reference to Bashshār b. Burd, Abū al-'Atāhiyah, Abū Nuwās, Abū Tammām, al-Mutanabbī, and Abū al-'Alā al-Ma'arrī</p> <p>Unit III: Modern Period (1798-2000)</p> <p>Prose: Introduction to Modern Prose with special reference to Mustafā Lutfī al-Manfalūtī, 'Abbās Maḥmūd al 'Aqqād, Ibrāhīm 'Abd al-Qādir al-Māzinī, Muḥammad Ḥusayn Haykal, Tāhā Ḥusayn, Taufiq al-Ḥakīm, Maḥmūd Taymūr, Najīb Maḥfūz and Jibrān Khalīl Jibrān</p> <p>Unit IV: Modern Period (1798-2000)</p> <p>Poetry: An Introduction to Arabic Poetry with special reference to Maḥmūd Samī al-Bārūdī, Ḥāfiẓ Ibrāhīm, Aḥmad Shauqī, Ṭīya Abu Madi, Nizar Qabbani, Fadwa Tuqan, Abu al-Qasim al-Shābbī and Aḥmad Ḍakī Abū Shādī</p> <p>4. Course Code – 120101204 Translation & Essay Writing-II</p> <p>Contentss: Credits : 06</p> <p>Unit I: (f) Political & Scientific Translation (Arabic-English & vice-versa)</p> <p>Unit II: (g) Economic & Commercial Translation (Arabic-English & vice-versa)</p> <p>Unit III: (h) Translation of technical terminologies (Arabic-English & vice-versa).</p> <p>Unit IV: (i) Essay Writing (j) Interpretation</p>
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<p>Unit II: 1. Social Condition of Arabia before Islam 2. Political system in pre-Islamic Arabia 3. Conditions of women and slaves in pre-Islamic Arabia</p> <p>Unit III 1. Religious condition in pre-Islamic Arabia 2. Emergence of Islam & political changes after wards 3. Basic tenets of Islam & Social changes in Arabia</p> <p>Unit IV 1. Arabs outside Arabia 2. Arab's Interaction with the neighbouring cultures 3. Arabs Etiquettes</p> <p>Semester –III 1. Course Code – 301 History of Arabic Literature (Abbasid Period & Modern Period-II)</p> <p>Contents: Credits Unit I: Abbasid Period (750 A.D. to 1258 A.D.)</p> <p>Prose: Introduction to Abbasid prose with special reference to Ibn al-Muqaffa', al-Jāhī z, Ibn al-'Amīd, and al-Ḥarīrī</p> <p>Unit II: Abbasid Period (750 A.D. to 1258 A.D.)</p> <p>Poetry: An Introduction to Abbasid Poetry with special reference to Bashshār b. Burd, Abū al-'Atāhiyah, Abū Nuwās, Abū Tammām, al-Mutanabbī, and Abū al-'Alā al-Ma'arrī</p> <p>Unit III: Modern Period (1798-2000)</p> <p>Prose: Introduction to Modern Prose with special reference to Mustafā Lutfī al-Manfalūtī, 'Abbās Maḥmūd al 'Aqqād, Ibrāhīm 'Abd al-Qādir al-Māzinī, Muḥammad Ḥusayn Haykal, Tāhā Ḥusayn, Taufīq al-Ḥakīm, Maḥmūd Taymūr, Najīb Maḥfūz and Jibrān Khalīl Jibrān</p> <p>Unit IV: Modern Period (1798-2000)</p> <p>Poetry: An Introduction to Arabic Poetry with special reference to Maḥmūd Samī al-Bārūdī, Ḥāfiẓ Ibrāhīm, Aḥmad Shauqī, Ṭīya Abu Madi, Nizar Qabbani, Fadwa Tuqan, Abu al-Qasim al-Shābbī and Aḥmad Ḍakī Abū Shādī</p> <p>2. Course Code – 302</p>	<p>Semester - III 1. Course Code – 120101301 Research Methodology & Paper Writing and Presentation</p> <p>Contents: Credits : 06 Unit I: Nature, Aims and Objectives of Literary Research</p> <p>Unit II: Editing of Manuscripts</p> <p>Unit III: Renowned Oriental Libraries, Reference Resources, Bibliography and Commonly used Abbreviations</p> <p>Unit IV: Preparation of Research Papers, Dissertations and Theses.</p> <p>2. Course Code - 120101302</p>
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<p>Research Methodology & Paper Writing and Presentation</p> <p>Contents: Credits Unit I: Nature, Aims and Objectives of Literary Research</p> <p>Unit II: Editing of Manuscripts</p> <p>Unit III: Renowned Oriental Libraries, Reference Resources, Bibliography and Commonly used Abbreviations</p> <p>Unit IV: Preparation of Research Papers, Dissertations and Theses.</p> <p>3. Course Code - 303 Arabic Literature by Indians</p> <p>Contents: Credits Unit I: Introduction to the Arabic Literature in India</p> <p>Unit II:</p> <p>Prose-writers:</p> <ol style="list-style-type: none"> 1. Shāh Walī-Allāh al-Dihlawī 2. Nawwāb Siddīq Hasan Khān 3. ‘Abd al-‘Azīz al-Maimanī 4. Abū al-Hasan ‘Alī al-Hasanī al-Nadwī <p>Unit III: Poets:</p> <ol style="list-style-type: none"> 1. Maulānā Azād al-Bilgramī 2. ‘Abd al-Muqtadīr al-Lakhnawī 3. Al-Shaykh Aḥmad al-Thanesarī 4. Maulānā Faiḍ al-Ḥasan al-Sahāranpūrī <p>Unit IV:</p>	<p>Arabic Literature by Indians</p> <p>Contents: Credits : 06 Unit I: Introduction to the Arabic Literature in India</p> <p>Unit II: Prose-writers:</p> <ol style="list-style-type: none"> 5. Shāh Walī-Allāh al-Dihlawī 6. Nawwāb Siddīq Hasan Khān 7. ‘Abd al-‘Azīz al-Maimanī 8. Abū al-Hasan ‘Alī al-Hasanī al-Nadwī <p>Unit III: Poets:</p> <ol style="list-style-type: none"> 5. Maulānā Azād al-Bilgramī 6. ‘Abd al-Muqtadīr al-Lakhnawī 7. Al-Shaykh Aḥmad al-Thanesarī 8. Maulānā Faiḍ al-Ḥasan al-Sahāranpūrī <p>Unit IV: Study of the following books:</p> <ol style="list-style-type: none"> 6. Sawāṭi’ al-Ilhām by Abū al-Fayḍ Fayḍī (954-1004 A.H.) 7. Subḥat al-Marjān fī Āthār Hindustān by Ghulām ‘Alī Azād al-Bilgrāmī (1116-1200 A.H.) 8. Nuzhat al-Khawātir wa Bahjat al-Masāmi’ wa al-Nawāzīr (I’lām bi-mā fī al-Hind min al-A’lām) by ‘Abd al-Ḥayy al-Hasanī (1341 A.H./1923 A.D.) 9. Rijāl al-Sind wa al-Hind Ilā al-Qarn al-Sabī’ al-Hijrī by al-Qāzī Athar al-Mubārākpūrī (1916-1996) 10. Tuhfat al-Mujahidin, Zaynal-Din al-Makhdoom, al-Thani (938-991 A.H) <p>3. Course Code – 120101303 Translation & Essay Writing – III</p> <p>Contents: Credits : 06</p> <p>Unit I: Political & Legal Simultaneous Translation (Arabic-English & vice-versa)</p> <p>Unit II: Journalistic and Economic Translation (Arabic-English & Vice-Versa)</p> <p>Unit III: Essay Writing (Advanced level)</p> <p>Unit IV: Simultaneous Interpretation</p>
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<p>Study of the following books:</p> <ol style="list-style-type: none"> 1. Sawāṭi' al-Ilhām by Abū al-Fayḍ Fayḍī (954-1004 A.H.) 2. Subḥat al-Marjān fi Āthār Hindustān by Ghulām 'Alī Azād al-Bilgrāmī (1116-1200 A.H.) 3. Nuzhat al-Khawātir wa Bahjat al-Masāmi' wa al-Nawāzīr (I'lām bi-mā fi al-Hind min al-A'lām) by 'Abd al-Ḥayy al-Ḥasanī (1341 A.H./1923 A.D.) 4. Rijāl al-Sind wa al-Hind Ilā al-Qarn al-Sabi' al-Hijrī by al-Qāzī Athar al-Mubārākpūrī (1916-1996) 5. Tuhfat al-Mujahidin, Zaynal-Din al-Makhdoom, al-Thani (938-991 A.H) <p>4. Course Code - 304 Translation & Essay Writing – III</p> <p>Contents: Credits</p> <p>Unit I: a) Political & Legal Simultaneous Translation (Arabic-English & vice-versa)</p> <p>Unit II: b) Journalistic and Economic Translation (Arabic-English & Vice-Versa)</p> <p>Unit III: c) Essay Writing (Advanced level)</p> <p>Unit IV: (d) Simultaneous Interpretation</p>	<p>4. Course Code – 120101304 (A) IDC / Open Elective Arabic Language –I Introduction; Reading and Writing</p> <p>Contents : Credits :04</p> <p>Unit – I: Introduction</p> <ul style="list-style-type: none"> • Arabic Language: Origin & Brief History • Impact & Interaction of Arabic with other Languages • Arabic in the medieval and modern era. <p>Unit – II: Reading</p> <ul style="list-style-type: none"> • Arabic Alphabet • Vowels, Signs & Other Symbols • Reading of Joint Letters • Sun letters and Moon letters • 10. Gender, Definite and Indefinite Noun <p>Unit-III : Writing</p> <ul style="list-style-type: none"> • Practice of writing the separate letters • Practice of writing joint letters & sentences • Taking dictations • Demonstrative Pronouns (Singular only) <p>Unit-IV : Listening & Speaking</p> <ul style="list-style-type: none"> • Arabic numerals 1 – 10 • Self-introduction & Greetings • Words of daily usage week days, months, colours, fruits & vegetables etc. • Simple Nominal Sentences • 10. Simple Verbal Sentences <p>4 (A) Course Code: 120103304 (B) IDC / Open Elective Introduction to Arab Culture</p> <p>Contents: Credits : 04</p> <p>Unit I:</p> <ul style="list-style-type: none"> • Arabian Peninsula: An Introduction • Arabs – Anthropological prospective • Characteristics of Bedouin life in Arabia <p>Unit II:</p> <ul style="list-style-type: none"> • Social Condition of Arabia before Islam
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<p>Semester – IV</p> <p>1.(a) Course code – 401 (A) (b) Course code – 401 (B) (c) Course code – 401 (C) (d) Course code – 401 (D)</p> <p>2. Course Code - 402 3. Course Code – 403 4. Course Code – 404 (A) Course Code – 404 (B)</p>	<ul style="list-style-type: none"> • Political system in pre-Islamic Arabia • Conditions of women and slaves in pre-Islamic Arabia <p>Unit-III</p> <ul style="list-style-type: none"> • Religious condition in pre-Islamic Arabia • Emergence of Islam & political changes afterwards • Basic tenets of Islam & Social changes in Arabia <p>Unit-IV</p> <ul style="list-style-type: none"> • Arabs outside Arabia • Arab's Interaction with the neighbouring cultures • Arabs Etiquettes <p>Semester – IV</p> <p>1. (a) Course Code – 120102401 (A) (b) Course Code – 120102401 (B) (c) Course Code – 120102401 (C) (d) Course Code – 120102401 (D)</p> <p>2. Course Code – 120101402 3. Course Code – 120101403 4. Course Code – 120103404 (A) Course Code – 120103404 (B)</p>
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23. Amendment to Appendix II to Ordinance V (2) & VII. [E.C Res. No. 42-8 (1) dated 17.12.2021] related to the approval on the proposed papers based on LOCF for Basic Computational Techniques for Data Analysis paper in B.A. Programme SEC VI under the Department of Economics.

Following is inserted/ added:

Department of Economics
SEC IV(6th Semester) for B.A.(P)
Basic Computational Techniques for Data Analysis

Purpose / Objective of the Paper :

The main purpose of this Skill Enhancement Course (SEC) is to provide B.A.(P) students with hands-on experience to develop skills in statistical techniques using computer applications. The course would help students to get familiar with data sources on different aspects of the Indian economy, estimate simple relationships between economic variables, and interpret estimation results to write up a project report.

This course is an extension of the previous semester's SEC: Data Analysis, which is a prerequisite for taking this course. This course intends to develop computational skills based on the statistics knowledge developed in the last semester. Along with the previous semester's SEC papers viz. 'Understanding the Economic Survey and Budget', 'Research Methodology' and 'Data Analysis', the course will equip the students to undertake basis research projects on the Indian economy which would be helpful in a variety of professions.

Course Outline:

Unit-I

Introduction to Excel (Microsoft Office)/ Open Office by Libre or Apache, spreadsheet basics and inputting of data, word processing and presentation of data with graphs and tables.

Unit-II

- a) Review of concepts: Measures of central tendency- mean, median and mode; arithmetic, geometric and harmonic mean. Measures of dispersion (standard deviation and variance), skewness and kurtosis.
- b) Introduction to calculation of financial formulae: net present value (NPV), internal rate of return, future value, Equated Monthly Installment (EMI), compound growth rate.
- c) Using spreadsheet to perform the above mathematical/ statistical/ financial functions.

Unit-III

- a) Review of the concepts of correlation and rank correlation.
- b) Introduction to the method of Ordinary Least Squares (OLS) in two-variable case (one dependent and one explanatory), Testing of hypothesis related to regression coefficient and goodness of fit (R^2). Reporting of the estimation results.
- c) Using Excel/GRET (Free ware) for above.

Unit-IV

Introduction to economics and business data sets available in public domain such as NSE, BSE, RBI, MOSPI etc.

Unit-V

Preparation of a project report based on data available in public domain, using concepts studied in Units II and III.

Marking Scheme

- i. Internal Assessment : 25 marks, as distributed below:
 - a) 5 marks for attendance
 - b) 10 marks for written test
 - c) 10 marks for computer-based test
- ii. End-Semester assessment : 75 marks, comprising (a) 25 marks for project based on Unit V, to be submitted before the final exam, and (b) 50 marks written final exam, which will include one compulsory question based on interpreting computer output related to OLS. Questions in the final exam will be based on only Units I to IV.

24. Amendment to Appendix II to Ordinance V (2) & VII. [E.C Res. No. 42-4 dated 17.12.2021] related to introduction of syllabus under UGC LOCF of the B.A.(Prog) Skill Enhancement Course – BS-CBCS Buddhist Psychology: The Mind Management.

Add the following:

**CBCS (B. A. Prog.)
BUDDHIST STUDIES
SKILL ENHANCEMENT COURSE [SEC]**

SEM-III: AEEC -I SEC- SKILL ENHANCEMENT COURSE	
<p>Paper Name: BS-CBCS 507- Buddhist Heritage and Tourism & Guide</p> <p>Course Code: BS-CBCS 507</p> <p>Paper Name: Buddhist Heritage and Tourism & Guide</p> <p>Course UPC Code: To be offered by Examination</p> <p style="text-align: right;">Maximum Marks:100 Duration: 3 hours</p>	<p>Prescribed Topics/Course :</p> <p>I. Defining Buddhist Heritage</p> <p>Heritage – Meaning, types of Heritage Tourism; History and Heritage of Buddhism in India; Buddhist Art and Architecture in India: An overview</p> <p>II. Basics Concept of Tourism</p> <p>Definition, history and development of tourism; Types and forms of tourism; Domestic and International tourism; Transport; Accommodation; Catering and Marketing</p> <p>III. Tourism Management and Planning</p> <p>Tourism planning; Travel Agency and Tour Operations; Tourism organizations such as ITDC, State Tourism Development Corporations; Heritage management organizations- UNESCO, ASI; Ancient monument act; Passport act and visa extension; Manila declaration</p> <p>IV. Guiding</p> <p>Role of guide and elementary knowledge: Time management, Escorting, Presentation, Communication; Tour Planning: Problem and Solution, Managing difficult situation, Handling complaints; Handling emergencies: Medical, Terrorist attack, Natural disaster, Loss items/passengers; Responsibilities of guide: Protection of guest, AIDS awareness.</p> <p>V. Buddhist Heritage Sites</p> <p>Buddhist Circuit: Lumbini, Bodh Gaya, Rajgir, Nalanda, Sravasti, Sarnath; Stupa Architectural Sites: Sanchi and Bharhut; Cave Sites: Ajanta, Ellora and Bagh caves.</p>
SEM-IV: AEEC: II SEC- SKILL ENHANCEMENT COURSE	
<p>PAPER NAME: BS-CBCS 508- Buddhist Art and Architecture in India</p> <p>Course Code: BS-CBCS-508</p> <p>Paper Name: Buddhist Art and Architecture in India</p> <p>UPC Code: To be offered by Examination</p>	<p>Prescribed Topics/Course:</p> <p>Unit I Introduction to Buddhist Art</p> <ul style="list-style-type: none"> • Different Schools of Buddhist Art with special reference to Gandhara, Mathura and Amaravati. <p>Unit II Buddhist Architecture</p> <ul style="list-style-type: none"> • Evolution and Development of Stupa, Chaitya

<p>Maximum Marks: 100 Duration: 3 hours</p>	<p>and Vihara Architecture with special reference to Sanchi, Karle, Nalanda and Mahabodhi Mahavihar.</p> <p>Unit III Buddhist Rock cut Architecture</p> <ul style="list-style-type: none"> • Origin and Development of Buddhist Rock-cut Architecture with special reference to Ajanta. <p>Unit IV Buddhist Sculpture and Paintings</p> <ul style="list-style-type: none"> • Emergence and Development of Buddha Image • Introduction of Buddhist Paintings with special reference to Ajanta. <p>Unit V Introduction to Buddhist Iconography</p> <ul style="list-style-type: none"> • Concept and symbolism of icon and image worship • Emergence and development of Iconography: Dhyani Buddha and Manushi Buddha, Bodhisattvas (Avalokiteshwara, Manjushri, Vajrapani) and Female Buddhist Deities.
OR	
SEM-IV: AECC: II SEC- SKILL ENHANCEMENT COURSE	
<p>PAPER NAME: BS-CBCS-508(A) Buddhist Epigraphy</p> <p>Course Code: BS-CBCS-508(A)</p> <p>Paper Name: Buddhist Epigraphy</p> <p>UPC Code: To be offered by Examination</p> <p>Maximum Marks: 100 Duration: 3 hours</p>	<p>I. Introduction to Epigraphy</p> <ul style="list-style-type: none"> • Aims, scope and definition of Epigraphy. • Types of scripts and History of writing in India <p>II. Ancient Indian Scripts</p> <ul style="list-style-type: none"> • Origin and development of different scripts with special reference to Brā hmi. <p>III. Introduction and Writing System of Aśokan Brā hmi Script</p> <ul style="list-style-type: none"> • Introduction of Aśokan Brā hmi Alphabets • Buddhist Conceptual term of Aśokan Brā hmi (20 Words) <p>IV. Study of Selected Inscriptions</p> <ul style="list-style-type: none"> • Piprahawa vase Inscription • Lumbini Pillar Edict • Aśoka's Sāranātha Pillar Edict • Aśoka's Giranāra Rock Edict-No.13 & 14 <p>V. Transcription of Brā hmi to Devnagari or Roman and Vice-Versa.</p>

SEM-V AEEC: III SEC- SKILL ENHANCEMENT COURSE	
Paper Name: BS-CBCS-509 Buddhist Psychology: The Mind Management Course Code: BS-CBCS-509 Paper Name: Buddhist Psychology: The Mind Management UPC Code: To be offered by Examination Maximum Marks: 100 Duration: 3 hours	Prescribed Topics: Section I Introduction: 1. Definition, Scope, Methods and Branches of Psychology (with special reference to Buddhist Psychology). 2. Major View points – Behaviouristic Approach: Karma and Resultant (in General and Abhidhammic Lens) Section II : 1. Mind : Composition and Function 2. Types of Mind: Defiled and Purified Section III : Sensation, Attention and Perception: 1. Attributes and classification of sensation on defining Consciousness and Mental Factors 2. Function of Mental Factors (Cetasika) that create fluctuations of Consciousness and generate Attention and Distraction 3. Perception Section IV Learning Process: 1. Buddhist Cognitive Process (Citta-vīthi) – (Factors of Learning and Knowing) 2. Manodvāra Vīthi, and Citta-kicca (that delineate the processing of learning, Memory, Impression, Causes of emotion, reactions, and etc.)
SEM-VI: AEEC- IV SEC- SKILL ENHANCEMENT COURSE	
Paper Name: BS-CBCS- 510 Life Management: A Buddhist Way of Living Course Code: BS-CBCS- 510 Paper Name: Life Management: A Buddhist Way of Living UPC Code: To be offered by Examination Maximum Marks: 100 Duration: 3 hours	Prescribed Topics/ Course: Section I: Self Analysis and Presentation 1. What is Life according to Buddhism? 2. Eight Worldly conditions: Vicissitudes of Life 3. Welfare and Auspiciousness in Life based on relevant Buddhist Suttas 4. Downfall in Life based on relevant Buddhist Suttas 5. Social (Domestic) Life based on relevant Buddhist Suttas

	6. Economic and Political Life based on relevant Buddhist Suttas Section II: Reformative Behaviour and Refinement of Life 1. Meaning of the Refinement of Life and Reformative Behaviour 2. Understanding the dynamics of Karma and its retributions as Cosmic regulation 3. Method of the Reformative Behaviour and Refining the Life (i) Identification of obstacles and Goal (ii) Practice of Moral precepts (Sīla), Brahma-vihāra, Pāramitā, (iii) Cultivation of Mind : Concentration (Samādhi) and Vipassanā (Insight Meditation)
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25. Amendment to Appendix II to Ordinance V (2) & VII. [E.C Res. No. 42-8 (1) dated 17.12.2021] related to the approval on the proposed syllabus of M.A. African studies under the Department of African Studies.

Add the following:

PAPER -19 AFRICAN RESOURCE DIPLOMACY		
Course Code – AFS-PG	Course Credit – 05	Teaching Hours – 75
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to resource diplomacy in Africa. It is designed to inform about transformation trajectory of resource negotiation in Africa. The paper will undertake sectoral analysis of African resources.	Unit 1 Colonial Scramble for Resources in Africa Unit 2 Resource Exchange under Post Colonial Period Unit 3 Resource Negotiation under Globalisation Unit 4 Sectoral Analysis: Land, Water, Agricultural Commodity, Sub-Soil/Energy/Marine Resources	1. Internal Assessment 25 Marks 2. End Semester Exam 75 Marks Total 100 Marks
PAPER -18 INDIA AFRICA RELATIONS		
Course Code – AFS-PG	Course Credit – 05	Teaching Hours – 75
Course Objective	Course Description	Evaluation Method

The paper aims at introducing students to continuity and changes in relationship between India and Africa. It is designed to inform political and economic relations in a holistic perspective. The paper will look at security relations and cultural linkages between two regions.	Unit 1 India-Africa Relations: A Historical Insight Unit 2 India-Africa Relations under Globalisation Unit 3 India-Africa Security Relations Unit 4 India-Africa Cultural Linkages	Evaluation Method: 1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
PAPER -17 STUDY OF AFRICAN DEVELOPMENT Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to issues of development in Africa. It is designed to provide an historical insight to African state of development. The paper will also look at development cases in sub-regions of Africa.	Unit I- Colonial Legacy, Under development, Dependency Unit II – Development Planning and Strategies in Post-Independence Period Unit III– Regional Institutions and Groupings Unit IV- Case Studies: Egypt, South Africa, Kenya, Nigeria, DRC	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
Paper -16 Study of African Heritage Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to heritage of Africa. It is designed to inform them museums, heritage structures, archaeological sites, oral traditions and literary sources in Africa.	Unit 1 African Heritage: An Overview Unit 2 Museums as Social Institutions Unit 3 Heritage Structures and Archaeological Sites Unit-4 Oral Traditions and Literary Sources	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
Paper-15 Research Methods in Social Sciences and Area Studies Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75		
Course Objective	Course outcome and Description	Evaluation Method
1. To understand the nature of Social Science Research with a focus on Area/African	Course Outcome : After the completion of course, the students will be able to	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75

<p>Studies</p> <p>2. To understand various methods and techniques of research in Social Sciences/African Studies.</p> <p>3. To develop skills amongst scholars for undertaking research on African affairs.</p>	<p>understand comprehensively the meaning of research, types of research, various research designs and different tools of research. It will help them to identify research problems, develop tools and techniques for data collection and data analysis including statistical techniques. They will be able to develop sound research temperament and will be able to write dissertation/thesis/research report.</p> <p>Course Description: Unit 1 Nature, Sources and Problems of Social Science & Area Studies Research Unit 2 Research Approaches & Research Design Unit 3 Ethics in Research Unit 4 Data Collection, Analysis and presentation</p>	<p>Marks</p> <p>Total 100 Marks</p>
<p align="center">Paper-13 Social and Political Thoughts in Africa Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
<p>The paper aims at introducing students to Afrocentric ideas in an actionable perspective. It is designed to inform about African thoughts on social reality. The paper will also look at thoughts in Africa through political prism.</p>	<p>Unit I- Afrocentric Paradigm: An Introduction Unit II – Pan Africanism and Negritude Unit III– African Liberalism and Ubuntu Unit IV- African Socialism and Ujamaa</p>	<p>1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks</p> <p align="right">Total 100 Marks</p>
<p align="center">Paper -12 Environmental Issues in Africa Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
<p>The paper lays foundation for the students from diverse backgrounds to understand the multi-disciplinarity of environmental and resources management in Africa. It is</p>	<p>Unit 1 Environment and Development: An Introduction Unit 2 Governance and Management of Natural Resources</p>	<p>1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks</p> <p align="right">Total 100 Marks</p>

designed to equip students with the knowledge and skills of environment and resource management.	Unit 3 Desertification, Drought, Flooding and Fuelwood Unit 4 Imbalanced Industrialisation, Deforestation and Migration	
Paper-11 Peace and Conflict Resolution in Africa Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students peace and conflict issues in Africa. It is designed to inform about complexity involved in containment, prevention and resolution of African conflicts. The paper will examine external and internal responses.	Unit 1 Conflicts in Africa: Causes, Categories, Costs Unit 2 Containing Conflicts in Africa: Role of UNSC and ICC Unit 3 Conflict Prevention and Peace Making Endeavours: Role of OAU, AU, RECs Unit 4 Local Experiments of Peace and Conflict Resolution: TRC	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
Paper-10 Africa in Global Affairs Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75		
Course Objective	Course Outcome and Description	Evaluation Method
The paper aims at introducing students to Africa's engagements with traditional and emerging powers in historical and contemporary context. It is designed to inform about Africa's interface with global institutions. The paper will look at relations between Africa and India.	Course Outcome : After the completion of course, the students will be able to achieve a comprehensive understanding of Africa's engagements with traditional and emerging powers. It will help them analyse the historical basis and the contemporary priority of such engagements. They will be able to comprehend Africa's interface with global institutions in a holistic perspective. Course Description: Unit I- Africa and the Global North Unit II – Africa and the Global South Unit III– Africa and Global Institutions Unit IV- Africa and India	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks

<p align="center">Paper-9 Diaspora and International Relations</p>		
Course Code – AFS-PG	Course Credit – 05	Teaching Hours – 75
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to the concepts of diaspora. It is designed to understand diaspora through multidisciplinary perspective. It will provide a broader overview and insight on the various issues and aspects of major diaspora of the world. The paper will further look into the diasporic linkages between India and Africa.	Unit 1 Conceptualising Diaspora Unit 2 Disapora Engagement: Issues and Challenges Unit 3 Major Global Diaspora Unit 4 India-Africa Diasporic Linkages	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
<p align="center">Paper-8 Political Economy of Africa</p>		
Course Code – AFS-PG	Course Credit – 05	Teaching Hours – 75
Course Objective	Course Outcome and Description	Evaluation Method
The paper aims at introducing students to political economy of contemporary Africa. It is designed to inform about development trajectory of Africa. It will look at the macro drivers of the African economy. The paper will further analyse transformation process in Africa under globalisation.	Course Outcome : After the competition of course, the students will be able to understand the political economy of contemporary Africa. It will help them analyse the macro drivers of the African economy. They will be able to look at development trajectory of Africa and will be able to comprehend its transformation under globalisation. Course description: Unit I- Economic Crisis in Africa: Causes and Consequences Unit II- Dependency and Under development Unit III- Foreign Aid, Debt Crisis, Food Security, MNCs Unit IV- Role of IFIs	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
<p align="center">Paper-7 State and Society in Africa</p>		
Course Code – AFS-PG	Course Credit – 05	Teaching Hours – 75
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to traditional social	Unit 1 Traditional Structures of African Societies	1. Internal Assessment: 25 Marks

structures in Africa. It is designed to develop a comprehensive understanding of social stratification, ascriptive identities of Africa. The paper will further look at tradition-modernity interface in Africa.	Unit 2 Emergence Social Class & Elite Groups Unit 3 Restructuring of Social Relationship Unit-4 African Tribes- Impact of Globalization	2. End Semester Exam: 75 Marks Total 100 Marks
<p align="center">Paper-6 Overview of African History</p> <p>Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to sources of African history. It is designed to inform them ancient empires, slave trade, colonialism and nationalism in Africa.	Unit 1 Sources of African History Unit 2 Ancient African Empires Unit 3 The Slave Trade Unit-4 Colonialism and African Nationalism	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
<p align="center">Paper-5 Introduction to African Geography</p> <p>Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to physical, economic, demographic and political dimensions of Africa geography. It is designed to inform them about regional geography of Africa.	Unit 1 Physical Geography Unit 2 Economic Geography Unit 3 Demography & Political Geography Unit 4 Regional Geography	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
<p align="center">Paper-4 Comparative Government and Politics</p> <p>Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to government and politics in a comparative perspective. It is designed to inform about concepts in comparative political analysis. It will look at state formations, constitution making traditions and types of governments from a globally inclusive point of view. The paper will further analyse political party systems, media and civil society	Unit 1 Concepts in Comparative Political Analysis Unit 2 State Formations, Constitution Making Traditions, and Types of Governments Unit 3 Political Party Systems Unit 4 Media and Civil Society Organisations	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks

organisations.		
<p align="center">Paper-3 Foreign Policy, Diplomacy and Development Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to interrelationship among foreign policy, diplomacy and development. It is designed to inform about historical and theoretical perspectives of foreign policy. It will analyse major facets of foreign policy. The paper will further look at foreign policy case studies.	Unit 1 Understanding Foreign Policy: Historical and Theoretical Perspectives Unit 2 Foreign Policy Analysis: Actors, Context, Goals Unit 3 Foreign Policy and Diplomacy: Development Narrative Unit 4 Foreign Policy Case Studies	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
<p align="center">Paper-2 Thinkers in International Relations Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to various thinkers of International Relations. It is designed to inform about profound thought leaders whose ideas are relevant for understanding the subject from a globally inclusive point of view. It will discuss select thinkers of the West on International Relations. The paper will further look at representative thinkers of Asia, Africa and Latin America.	Unit 1 Thinkers in the West: Woodrow Wilson, Hans J. Morgenthau, E. H. Carr, Eric Hobsbawm Unit 2 Thinkers in Asia: Dadabhai Naoroji, Gandhi, Mao Zedong, Ayatollah Khomeini Unit 3 Thinkers in Africa: Kwame Nkrumah, Julius Nyerere, Amílcar Cabral, Frantz Fanon Unit 4 Thinkers in Latin America: Simon Bolívar, Leopoldo Zea, Paulo Freire, Gabriel García Márquez	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks
<p align="center">Paper- 1 Theories and Approaches to International Relations Course Code – AFS-PG Course Credit – 05 Teaching Hours – 75</p>		
Course Objective	Course Description	Evaluation Method
The paper aims at introducing students to various theories of International Relations. It is designed to explain a wide range of approaches being	Unit 1 Realism and Its Variants: Classical Realism, Structural Realism, Neoclassical Realism, Subaltern Realism	1. Internal Assessment: 25 Marks 2. End Semester Exam: 75 Marks Total 100 Marks

<p>used for understanding the subject. It will discuss variants of Realism and facets of Idealism/Liberalism. The paper will further look into alternative approaches and Non-Western ideas in International Relations.</p>	<p>Unit 2 Idealism/ Liberalism: Liberal Internationalism, Neoliberalism, International Society/English School</p> <p>Unit 3 Alternative Approaches in IR: Marxism, Neo Marxism, Constructivism, Feminism, Critical Theory, Postmodernism, Post Colonialism</p> <p>Unit 4 Non - Western IR: Non – Alignment, Islamic Theory, Hindu Theory, Chinese IR, African Liberalism, African Socialism</p>	
<p align="center">MA in International Relations and African Studies Two Years Course (Four Semesters)</p>		
<p>Programme Structure</p>	<p align="center">Core Papers</p>	
<p>MA (International Relations and African Studies) is a two year programme consisting of four semesters. Students have to complete sixteen papers (four papers per semester and each paper having five credits). Eight papers of first two semesters are core papers and eight papers of rest two semesters are optional papers. Fee: As per the University Rule Number of Seats: 40</p>	<p>Semester-I</p> <ol style="list-style-type: none"> 1. Theories and Approaches of International Relations 2. Thinkers in International Relations 3. Foreign Policy, Diplomacy and Development 4. Comparative Government and Politics <p>Semester II</p> <ol style="list-style-type: none"> 1. Introduction to African Geography 2. Overview of African History 3. State and Society in Africa 4. Political Economy of Africa <p>Optional Papers</p> <p>Semester III (Four Papers Only)</p> <ol style="list-style-type: none"> 1. Diaspora and International Relations 2. Africa in Global Affairs 3. Peace and Conflict Resolution in Africa 4. Environmental Issues in Africa 5. Social and Political Thoughts in Africa 6. Swahili Language 7. Research Methods in Social Sciences and Area Studies (Compulsory) <p>Semester IV (Four Papers Only)</p> <ol style="list-style-type: none"> 1. Study of African Heritage 2. Study of African Development 3. India-Africa Relations 	

	4. African Resource Diplomacy 5. Women and Gender in Africa 6. Project/ Field Research (Compulsory)	
Paper 14 Swahili Language		
Semester	Exam structure	Mode of Instructions
Semester 1 <ul style="list-style-type: none">• Origin and evolution of Swahili Language• Basic understanding of the culture and society of East African countries• Swahili Greetings and Self-introduction• Basic grammar: Classification of Noun, verbs, primary tenses, adjectives.• Verb moods; consecutive and simultaneous tenses• Demonstratives• Possessive pronouns• Counting• Reckoning of time, days of the week	Written: <ul style="list-style-type: none">• Internal Assessment• End semester test Oral: <ul style="list-style-type: none">• At the time of the End semester test	<ul style="list-style-type: none">• Lectures• You Tube videos• Power Point Presentations• Core material and practice exercises to be provided by the teacher• Flip learning method
Semester –II <ul style="list-style-type: none">• Conditional tenses• Interrogatives• Compound tenses• Relative particles• Verb derivatives• Conjunctions• Negative sentences Useful phrases and few idioms	Written: <ul style="list-style-type: none">• Internal Assessment• End semester test Oral: At the time of the End semester test	<ul style="list-style-type: none">• Lectures• You Tube videos• Power Point Presentations• Core material and practice exercises to be provided by the teacherFlip learning method

26. Amendment to Ordinance XII-C [E.C Res. No. 49/- dated 17.12.2021] regarding approval for payment of honorarium and extension of other facilities to overseas Adjunct Faculty.

Add the following under XX-C - Adjunct Professors

Existing	Amended
Ordinance XII-C. Adjunct Professors and Adjunct Fellows	Ordinance XII-C. Adjunct Professors and Adjunct Fellows

<p>(1) Adjunct Professors</p> <p>(i) to (iii) xxx xxx xxx xxx xxx xxx</p>	<p>(1) Adjunct Professors</p> <p>(i) to (iii) No change</p> <p><u>Add the following:</u></p> <p>Payment of honorarium and extension of other facilities to overseas Adjunct Faculty:</p> <ol style="list-style-type: none"> 1. Payment of monthly honorarium to a maximum of Rs. 80,000/- (@ Rs.4000 per day) 2. One visit to the department per semester i.e at the most, 2 visits per academic year, for a maximum stay of one month per visit and minimum of two weeks. 3. Cost of air travel in economy class. 4. Medical insurance expenses for the period of stay in India. 5. Local travel expenses, as per actuals. 6. Free lodging and boarding in the University's International Guest House.
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27. Amendment to Ordinance V (2) & VII [E.C. Res. No. 60 dated 11.02.2022] related to the Undergraduate Curriculum Framework – 2022 based on National Education Policy 2020

Add the following:

Undergraduate Curriculum Framework – 2022 based on National Education Policy 2020

I. Abbreviations

1. 'AEC' indicates 'Ability Enhancement Course'
2. 'B.A.' indicates 'Bachelor of Arts'
3. 'B. Com.' indicates 'Bachelor of Commerce'
4. 'B.Sc.' indicates 'Bachelor of Science'
5. 'DSC' indicates 'Discipline Specific Core'
6. 'DSE' indicates 'Discipline Specific Elective'
7. 'GE' indicates 'Generic Elective'
8. 'NHEQF' indicates 'National Higher Education Qualification Framework'

9. 'SEC' indicates 'Skill Enhancement Course'

10. 'VAC' indicates 'Value Addition Course'

II. Definitions

1. **Academic credit** – An academic credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
2. **Courses of study** – Courses of the study indicate pursuance of study in a particular discipline. Every discipline shall offer three categories of courses of study, viz. Discipline Specific Core courses (DSCs), Discipline Specific Electives (DSEs) and Generic Electives (GEs).
 - a) **Discipline Specific Core (DSC):** Discipline Specific Core is a course of study, which should be pursued by a student as a mandatory requirement of his/her programme of study. DSCs shall be the core credit courses of that particular discipline which will be appropriately graded and arranged across the semesters of study, being undertaken by the student, with multiple exit options as per NEP 2020. The DSCs specified in the framework would be identified by the concerned Department as core courses to be taught in a Programme.

For example, for award of single discipline specific Honours degree, such as B.A. (Honours) History, B.Com. (Honours), B.Sc. (Honours) Physics and similar such programmes, DSCs shall be the core courses of History, Commerce and Physics, respectively.

However, to pursue Honours degree programme in a 'Field of Multidisciplinary courses of Study' (rather than a single discipline) such as B.Sc. (Honours) Life Sciences, B.A. (Honours) Social Sciences/ Humanities, the DSCs shall comprise of core credit courses of more than one discipline. For example, for B.Sc. (Honours) Life Sciences programme, a student shall study credit courses of three disciplines i.e., Botany, Zoology and Chemistry. DSC 1 may be of Discipline A1 (say, Botany), DSC 2 may be of Discipline B 1 (say, Zoology) and DSC 3 may be of Discipline C 1 (say, Chemistry). However, the

fourth year of such honours degree programme shall be devoted to the study of only one discipline and hence the DSC courses in the VII and VIII semesters shall be of Discipline A/B/C and not a combination of these three disciplines. Please refer to framework given as Illustration –I.

- b) **Discipline Specific Elective (DSE):** The Discipline Specific Electives (DSEs) shall be a pool of credit courses of that particular discipline (single discipline programme of study) or those disciplines (multidisciplinary programme of study), as the case may be, which a student chooses to study from his/her particular discipline(s). There shall be a pool of DSEs from which a student may choose a course of study. The DSEs specified in the framework would be identified by the concerned Department as elective courses to be taught in a Programme.

For example, to pursue B.Sc. (Honours) Physics, DSEs chosen should be from a pool of DSEs of Physics.

Similarly, to pursue B.Sc. (Honours) Life Sciences programme, the DSEs chosen should be a pool of courses of DSEs of Botany, Zoology and Chemistry, the core subjects for this programme of study.

However, to pursue Honours degree programme in a ‘Field of Multidisciplinary courses of Study’ (rather than a single discipline) such as B.Sc. (Honours) Life Sciences, B.A. (Honours) Social Sciences/Humanities, in the fourth year of such honours degree programme in the VII and VIII semesters, the student shall be required to choose DSEs from any one of the Disciplines A/B/C and not a combination of these three disciplines. Please refer to framework given as Illustration - I.

- c) **Generic Elective (GE):** Generic Electives shall be a pool of courses which is meant to provide multidisciplinary or interdisciplinary education to students. GEs shall consist of a pool of courses offered by various disciplines of study (excluding the GEs offered by the parent discipline), in groups of odd and even semesters, from which a student can choose. The GEs specified in the framework would be identified by the concerned Department as GEs to be taught in a Programme.

In case a student opts for DSEs beyond his/her discipline specific course(s) of study, such DSEs shall be treated as GEs for that student.

d) Ability Enhancement course (AEC), Skill Enhancement Course (SEC) & Value Addition Course (VAC)

These three courses shall be a pool of courses offered by all the Departments in groups of odd and even semesters from which students can choose. A student who desires to make Academic Project/Entrepreneurship as Minor has to pick the appropriate combination of courses of GE, SEC, VAC, & Internship/Apprenticeship/Project/Community (IAPC) which shall be offered in the form of various modules as specified in the scheme of studies.

- (i). AEC courses are the courses based upon the content that leads to knowledge enhancement through various areas of study. They are Language and Literature and Environmental Science and Sustainable Development which will be mandatory for all disciplines.
- (ii). SEC courses are skill-based courses in all disciplines and are aimed at providing hands-on-training, competencies, skills, etc. SEC courses may be chosen from a pool of courses designed to provide skill-based instruction.
- (iii). VAC courses are value-based courses which are meant to inculcate ethics, culture, Indian Knowledge systems, constitutional values, soft skills, sports, physical education and such similar values to students which will help in all round development of students.

3. Major discipline

- a) A student pursuing four-year undergraduate programme in a specific discipline (Core course) shall be awarded appropriate Honours degree with Major in a Discipline on completion of VIII Semester, if he/she secures in that Discipline at least 50% of the total credits i.e., at least 88 credits in that Discipline out of the total of 176 credits. He/she shall study 20 DSCs and at least 2 DSEs in eight semesters. For instance, a student who pursues B.Com. (Honours) shall earn the minimum 88 credits from 20 DSCs and *at least* two DSEs in order to get Major in Commerce.
- b) A student pursuing four-year undergraduate programme in more than one discipline as Core Course (for example B.A. Social Sciences/ Humanities, B.Sc. Life Sciences, B.Sc. Physical Sciences, B.Sc. Mathematical Sciences, B.Com. and such other programmes) shall be awarded appropriate Honours degree with Major in a Discipline on completion of VIII Semester, if he/she secures in that Discipline 80 credits out of a total of 176 credits. He/she shall study 6 DSCs and at least 3 DSEs in that discipline in the first six

semesters and 2 DSCs, 6 DSEs and write dissertation in that discipline in the VII and VIII semesters. For instance, a student who pursues four-year B.A. (Honours) Social Sciences/Humanities shall be eligible for Major in History, on completion of VIII semester, if he/she earns minimum 80 credits from 8 DSCs and *at least* 9 DSEs of History and writes dissertation on a topic related to History.

4. Minimum acceptable level of academic standards

The minimum acceptable level of achievement that a student must demonstrate to be eligible for the award of academic credit or a qualification is the minimum acceptable level of academic standards. The Letter Grades and Grade Points which shall be used to reflect the outcome of assessment process of the student's performance is indicated in Table - 1.

Table – 1
Letter Grades and Grade Points

Letter Grade	Grade point
O (Outstanding)	10
A+ (Excellent)	9
A (Very good)	8
B+ (Good)	7
B (Above average)	6
C (Average)	5
P (Pass)	4
F (Fail)	0
Ab (Absent)	0

5. Minor discipline

- a) A student mentioned at 3 (a) above may be awarded Minor in a discipline, on completion of VIII Semester, if he/she earns minimum 28 credits from seven GE courses of that discipline. For example, if a student pursuing B.A. (Honours) History chooses seven GE courses of Political Science out of a total of twelve GE courses and writes dissertation, he/she shall be awarded on successful completion of VIII Semester, Major in History and Minor in Political Science.
- b) A student mentioned at 3 (b) above may be awarded Minor in a discipline, on completion of VIII Semester, if he/she earns minimum 28 credits from six DSCs and one DSE of that discipline. For example, a student pursuing four-year B.A. (Honours) Social

Sciences/Humanities with Major in History (after securing at least 80 credits in History), may be awarded Minor in Hindi if he/she earns 28 credits from six DSCs and one DSE of Hindi (up to VI semester), on successful completion of VIII Semester.

This definition of Minor is independent of GEs for which there is a requirement of 28 credits to be treated as Minor.

Further, in case a student opts for two disciplines such as Physics and Chemistry instead of three disciplines such as Physics, Chemistry and Mathematics, major and minor shall be determined as per credits earned in the respective courses of study. The concept of Minor is relevant only when there is a Major discipline.

III. Objectives

The Undergraduate Curriculum Framework- 2022 (UGCF) is meant to bring about systemic change in the higher education system in the University and align itself with the National Education Policy 2020. The following objectives of NEP are kept in perspective while framing UGCF:

- to promote each student's holistic development in both academic and non-academic spheres;
- to provide flexibility to students so that learners have the ability to choose their learning trajectories and programmes, and thereby choose their paths in life according to their talents and interests;
- to eliminate harmful hierarchies among disciplines/fields of study and silos between different areas of learning;
- multidisciplinary and holistic education to ensure the unity and integrity of all knowledge;
- to promote creativity and critical thinking and to encourage logical decision-making and innovation;
- to promote ethics and human & Constitutional values;
- to promote multilingualism and the power of language in learning and teaching;
- to impart life skills such as communication, cooperation, teamwork, and resilience;

- to promote outstanding research as a corequisite for outstanding education and development;
- to incorporate Indian Knowledge System relevant for a particular discipline or field of studies.

IV. Features of UGCF

The aforementioned objectives of the NEP have been reflected in various features of UGCF:

- Holistic development of the students shall be nurtured through imparting life skills in initial years. These life skill courses shall include courses on ‘Environment and Sustainable Development Studies’, ‘Communication Skills’, ‘Ethics and Culture’, ‘Science and Society’, ‘Computational Skills’, ‘IT & Data Analytics’, and similar such skills which shall make the students better equipped to deal with the life’s challenges.
- Flexibility to the students to determine their learning trajectories and pursuance of programmes of study has been well ingrained in the UGCF. The Framework allows students to opt for one, two, or more discipline(s) of study as a core discipline(s) depending on his/her choice. He/she has been provided the option of focusing on studying allied courses of his/her selected discipline(s) (DSEs) or diversifying in other areas of study of other disciplines. Students have also been provided with the flexibility to study SECs or opt for Internships or Apprenticeship or Projects or Research or Community Outreach at an appropriate stage. In the fourth year, students are provided flexibility to opt for writing a dissertation (on major, minor, or combination of the two) or opt for Academic Projects or Entrepreneurship depending upon their choice and their future outlook, post completion of their formal education. For more details on the flexibility provided, refer to the Framework provided in Table -3.
- Given the extent of plurality of the Indian society and the diverse background to which students belong, multiple exits and provision of re-entry have been provided at various stages of the undergraduate programme to accommodate their requirement and facilitate them to complete their studies depending upon their priorities of life. The earning and accumulation of credits in the Academic Bank of Credit (ABC), and the flexibility to redeem the requisite credit for award of appropriate Certificate / Diploma/ Degree, as the per the norms laid down by the UGC and the University, shall be made available to

the students to provide the opportunity for lifelong learning as well as for availing academic outreach beyond the superstructure of the programme of study in another University / Institution at the national /international level depending upon individual choice of the student(s).

- UGCF has incorporated multidisciplinary education by embedding within the framework the need to opt for at least four elective papers from any other disciplines other than the one opted as core discipline(s). In fact, if a student so desires, he/she may obtain (minor) in a particular discipline other than the core discipline (for students pursuing single-core discipline programme), he/she can do so by earning at least 28 credits in that particular discipline.
- The framework does not maintain/support hierarchy among fields of study/disciplines and silos between different areas of learning. As long as a student fulfils the pre-requisites of a course of study, he/she shall be able to study it. Modules or systems of study shall be meaningfully laid down so as to guide the students in choosing the track/academic paths for the desired outcome.
- One of the significant hallmarks of the framework is a provision of pursuing multilingualism while studying any other discipline as core subject(s), which has no bearing with any language and linguistics. I and II semesters of the programme provides an opportunity to the students to study languages which are enshrined under the eighth schedule of the Constitution of India, thereby allowing the students for their holistic development, including the ability to acquire proficiency in a language beyond their mother tongue.
- The framework provides a mandatory programme on research methodologies as one of the discipline specific elective (DSE) courses at the VI & VII semester for students who opt for writing dissertation on major/ minor at VII and VIII semesters. Further, provision for internship / apprenticeship/ project/ community outreach right from the III semester up to VI semester provides ample opportunity to the students to explore areas of knowledge / activity beyond the four walls of the classroom and reach out to the world outside without any dilution of the academic feature of the course of study, he/she is pursuing. This also acts a precursor for the students to take up academic project or entrepreneurship at a later stage in VII & VIII semester. Such an initiative will help in skill development and laying a strong foundation for research and thus contribute

towards overall national development through the development of skilled manpower and innovation.

- Intra and inter University mobility of students is another element of critical importance which has been ingrained in the framework. A student, by virtue of such mobility, will be able to make lateral movement within the University as well as from the University to any other Institution and vice-versa. Such an attribute allows a student maximum flexibility in terms of pursuance of education with special reference to higher education and enables him/ her to achieve goal of life, the way he/she perceived it.

V. Qualification Type and Credits Requirements

“Qualifications are formal ‘awards’ such as a certificate, diploma or a degree are awarded by a competent authority such as a college or university in recognition of the attainment by students of the expected learning outcomes on the successful completion of a particular programme of study. They are awarded after an assessment and evaluation of learning levels conducted by a competent body that determines the achievement by students of the expected learning outcomes to given standards.”¹

A student who exits at the end of any even semesters has to earn the requisite credits (stated in Table - 4) in order to be awarded the relevant certificate/diploma/degree. The qualification title/nomenclature and corresponding credits requirements relevant for Level 5 to Level 8 of the undergraduate programmes are clearly stated in Table -2 below.

¹ See para 2.1 of the draft NHEQF.

TABLE - 2

Qualification Type and Credit Requirements*

NHEQF LEVEL	QUALIFICATION TITLE /NOMENCLATURE	CREDIT REQUIREMENT
Level 5	UG Certificate in the field of learning/ discipline for those who exit after successful completion of Semester II. (Programme duration: 2 semesters of the undergraduate programme)	44
Level 6	UG Diploma in the field of learning/ discipline for those who exit after successful completion of Semester IV. (Programme duration: 4 semesters of the undergraduate programme).	88
Level 7	Bachelor's Degree (Honours) for those who opt for single discipline core courses and exit after successful completion of Semester VI. (Programme duration: 6 semesters).	132
Level 7	Bachelor's Degree for those who opt for core courses of more than one discipline and exit after successful completion of Semester VI. (Programme duration: 6 semesters).	132
Level 7	Bachelor of Vocation (B.Voc.) (Programme duration: VI semesters).(Programme duration: 6 semesters).	132
Level 8	Bachelor's Degree (Honours with Research/Academic Project/Entrepreneurship) for those who opt for single discipline core courses and exit after successful completion of Semester VIII. (Programme duration: 8 semesters)	176
Level 8	Appropriate Bachelor's Degree (Honours) for those who opt for core courses of more than one discipline programme and exit after successful completion of Semester VIII. (Programme duration: 8 semesters)	176

*Mapping of qualification type and credit requirements of UGCF based on draft NHEQF.

VI. Structure of UGCF

The UGCF is a structure for four-year undergraduate programmes in different disciplines with multiple exit options. The details of the structure are provided below in Table -3.

TABLE – 3								
Bachelor of (Field of Study/ Discipline) (Hons.)								
Semester	Core (DSC)	Elective (DSE)	Generic Elective (GE)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Internship/ Apprenticeship/Project/ Community outreach (2)	Value addition course (VAC)	Total Credits
I	DSC - 1(4)		Choose one from a pool of courses GE-1 (4)	Choose one from a pool of AEC courses (2)	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 credits
	DSC - 2(4)							
	DSC - 3(4)							
II	DSC - 4(4)		Choose one from a pool of courses GE-2 (4)	Choose one from a pool of AEC courses (2)	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 credits
	DSC - 5(4)							
	DSC - 6(4)							
	Students on exit shall be awarded Undergraduate Certificate (in the Field of Study/ Discipline) after securing the requisite 44 credits in Semesters I and II							Total = 44
III	DSC - 7(4)	Choose one from pool of courses, DSE – 1 (4) OR Choose one from pool of courses, GE -3 (4)**	Choose one from a pool of AEC courses (2)	Choose one SEC OR Internship/Apprenticeship/ Project/Community Outreach (IAPC) (2)*	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 credits
	DSC - 8(4)							
	DSC -9 (4)							
IV	DSC - 10(4)	Choose one from pool of courses, DSE – 2 (4) OR in the alternative choose one from pool of courses	Choose one from a pool of AEC courses (2)	Choose one SEC OR ‘Internship/Apprenticeship/ Project/community outreach (IAPC) (2)*	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 Credits
	DSC - 11(4)							
	DSC – 12(4)							

		GE - 4 (4)**						
		Students on exit shall be awarded Undergraduate Diploma (in the Field of Study/ Discipline) after securing the requisite 88 credits on completion of Semester IV						Total = 88
V	DSC - 13(4)	Choose one from a pool of courses DSE - 3 (4)	Choose one from a pool of courses GE-5 (4)		Choose one SEC OR Internship/Apprenticeship/ Project/Community Outreach (IAPC) (2)***		22 credits	
	DSC – 14(4)							
	DSC- 15(4)							
VI	DSC - 16(4)	Choose one from a pool of courses DSE – 4 (4)	Choose one from a pool of courses GE-6 (4)^		Choose one SEC OR ‘Internship/Apprenticeship/ Project/Research/Community Outreach (2)***		22 credits	
	DSC -17 (4)							
	DSC -18 (4)							
		Students on exit shall be awarded Bachelor of (in the Field of Study/ Discipline) Honours (3 years) after securing the requisite 132 credits on completion of Semester VI						Total = 132
VII	DSC-19 (4)	Choose three DSE (3x4) courses OR Choose two DSE- (2x4) and one GE (4)^ course OR Choose one DSE and two GE (4) courses OR GE 7, 8 & 9 (3x4) (total = 12)#					Dissertation on Major (6) OR Dissertation on Minor (6) OR Academic project/ Entrepreneurs hip (6)	22 credits
VIII	DSC -20 (4)	Choose three DSE (3x4) courses OR Choose two DSE- (2x4) and one GE (4) course OR Choose one DSE and two GE (4) courses OR GE 10, 11 & 12 (3x4) (total = 12)#					Dissertation on Major (6) OR Dissertation on Minor (6) OR Academic project/	22 credits

						Entrepreneurs hip (6)	
<i>Students on exit shall be awarded Bachelor of (in the Field of Study/Discipline) (Honours with Research/Academic Projects/Entrepreneurship) or (Honours with Research in Discipline-1 (Major) with Discipline-2 (Minor) after securing the requisite 176 credits on completion of Semester VIII</i>							Total = 176

*There shall be choice in III and IV Semesters to choose either one ‘SEC’ or in the alternative ‘Internship/Apprenticeship/Project/Community Outreach’ in each Semester for two credits each.

** There shall be choice in Semester III and IV to either choose a DSE or a GE.

***There shall be choice in V and VI Semesters to choose either one ‘SEC’ or in the alternative ‘Internship/Apprenticeship/Project/Research/Community Outreach’ in each Semester for two credits each.

There shall be four choices in VII and VIII Semesters –

- (i) to choose three DSEs of 4 credits each OR
- (ii) to choose two DSEs and one GE of 4 credits each OR
- (iii) to choose one DSE and two GEs of 4 credits each OR
- (iv) to choose three GEs of 4 credits each.

^ ‘Research Methodology’ shall be offered as one of the DSE courses in VI and VII Semesters. Students can opt for it either in VI semester or VII semester. However, a student pursuing multidisciplinary studies in three core disciplines shall have to choose research methodology in VI semester, if she/he wishes to Major in one of the three disciplines in the fourth year.

Suppose a student wishes to study the Research Methodology course offered by another discipline (as one of its DSEs). In that case, he/she may opt for it provided such discipline is his minor discipline. The Research Methodology of another discipline so opted shall be treated as GE for him/her.

VII. Note

1. **Entry level eligibility:** The general feeder category for entry into Level 5 is the Secondary School Leaving Certificate obtained after successfully completing Grade 12. A programme of study leading to entry into the first year of the Bachelor's degree is open to those students who have met the entrance requirements, including specified levels of attainment at the secondary level of education mentioned in the programme admission regulations. Admission to the Bachelor degree programme of study is based on the evaluation of documentary evidence (including the academic record) of the applicant's ability to undertake and complete a Bachelor's degree programme which is specified in the *UGC Guidelines for Multiple Entry and Exit Scheme in Academic Programmes Offered in Higher Education*.
2. Number of hours of a credit course shall be defined by its component of lecture, tutorial and practical.
3. Every student has to study "Environmental Science and Sustainable Development" courses I and II of two credits each in the first year (I/II semester) and the second year (III/IV semester), respectively. The AEC pool will also consist of credit courses in languages listed in the Eighth Schedule of the Constitution of India, as updated from time to time. The University of Delhi shall extend necessary support to those Colleges (where faculty is not available) which may require it in course of teaching learning in these languages.
4. Design of degrees: Students shall be able to design their own degrees according to their mission and aspiration for a future befitting to their ability and attainment, rather than following the conventional pathway.
5. A student who pursues three years undergraduate degree programme in a specific discipline as a Core course [for example, B.A. (Honours) English, B. Com. (Honours), B.Sc. (Honours) Physics and such other Programmes] will earn at least 80 credits in that discipline (from 18 DSCs and *at least* 2 DSEs of that discipline) and shall be awarded Honours degree in that discipline, if he/she exits after completion of VI semester.
6. A student who pursues three years undergraduate degree programme in more than one discipline as core courses of study (for example B.A. in Social Sciences/ Humanities, B.Sc. in Life Sciences, B.Sc. in Physical Sciences, B.Sc. in Mathematical Sciences, Bachelor in Commerce Studies and such other programmes) he/she shall be awarded Bachelor's degree in that field of multidisciplinary course of study, if he/she exits after completion of VI semester.

7. If a student wishes to pursue four years Honours Degree with research, he/she shall compulsorily opt for a Research Methodology course in either VI Semester or VII Semester as DSE.
8. Dissertation/Academic Project/Entrepreneurship in the 4th year shall commence from VII semester and conclude in VIII semester. Detailed outcomes of each track chosen out of these three options shall be notified and assessment at the end of VII and VIII semesters shall be done accordingly.
9. Dissertation may be written in the Major or Minor or Interdisciplinary (combination of Major and Minor) discipline.
10. If a student mentioned at (6) above continues or re-enters the fourth year for pursuing an Honours degree in that field of multidisciplinary study, he/she has to choose only one of the disciplines he/she had studied as core courses of study in the previous six semesters and earn credits from the 2DSCs and 6DSEs of that chosen discipline in the VII and VIII semesters and write dissertation or opt for Academic Project or Entrepreneurship.
11. If a student mentioned at (5) above, continues or re-enters to study the VII and VIII semesters in the same discipline, and writes dissertation mentioned at (9) above, but no Minor discipline is made out (i.e., credits earned in the GE's of any one discipline is less than 28 credits), then he/she shall be awarded 'Honours with Research' with Major in that discipline on successful completion of VIII Semester.
12. A student mentioned at (6) above, shall be awarded 'Honours' degree in that field of multidisciplinary study on successful completion of VIII semester. For example, *B.A. (Honours) Social Sciences/ Humanities, B.Sc. (Honours) Life Sciences, B.Sc. (Honours) Physical Sciences, B.Sc. (Honours) Mathematical Sciences and Bachelor in Commerce Studies (Honours)*. Major and Minor shall be indicated on fulfilment of the conditions mentioned above at III(3)(b) and III(5)(b), respectively. For instance, a student who pursues four years B.A. (Honours) in Social Sciences/ Humanities with History, Political Science and Hindi as core courses, shall get Major in History, on successful completion of VIII semester, if he/she earns minimum 80 credits in History from 8 DSCs and *at least* 9 DSEs of History and writes dissertation on a topic related to History. Such a student shall get a Minor in Political

Science/Hindi, if he/she earns minimum 28 credits from 6 DSCs and one DSE of Political Science/Hindi.

13. Only a student mentioned at (5) above who opts to write a dissertation in the Major/Minor subject in VII and VIII semesters in the fourth year, shall be awarded '*Bachelor of Field of Study/Discipline (Honours with Research) in Discipline*'. For instance, a student who pursues B.Sc. (Honours) in Physics and writes a dissertation on a topic relating to Physics or the Minor in VII and VIII semesters, shall be awarded '*Bachelor of Science (Honours with Research) Physics*'. Major and Minor shall be indicated on fulfilment of the conditions mentioned above at III(3)(a) and III(5)(a), respectively.
14. A student who opts for 'Academic Project' or 'Entrepreneurship' in VII and VIII semesters, instead of writing dissertations, and has earned 28 credits in the relevant GEs, SECs, AECs & IAPC, shall be awarded Minor in Academic Project or Entrepreneurship, as the case may be. '*Bachelor of Field of Study/Discipline (Honours with Academic Project/ Entrepreneurship) in Discipline (Major) & Academic Project/ Entrepreneurship (Minor)*'. If he/she is unable to earn the requisite 28 credits, he/she shall be awarded '*Bachelor of Field of Study/Discipline (Honours with Academic Project/ Entrepreneurship) in Discipline (Major)*'.
15. A student who pursues four-year undergraduate degree programme shall be awarded after completion of the VIII semester an appropriate degree.
16. Exit Options: The minimum credit to be earned by a student per semester is 18 credits and the maximum is 26 credits. However, students are advised to earn 22 credits per semester. This provision is meant to provide students the comfort of the flexibility of semester-wise academic load and to learn at his/her own pace. However, the mandatory number of credits have to be secured for the purpose of award of *Undergraduate Certificate/ Undergraduate Diploma/ Appropriate Bachelor's Degree in the field of Study/Discipline*, to a student who chooses to exit at the end of even semesters (details provided in the Table - 4 below).

Table - 4

Sl. No.	Type of Award	Stage of exit	Mandatory credits to be secured for the award
1	<i>Undergraduate Certificate in the field of Study/Discipline</i>	After successful completion of Semester II	44
2	<i>Undergraduate Diploma in the field of Study/Discipline</i>	After successful completion of Semester IV	88
3	<i>Bachelor of (field of Study) (Honours) Discipline</i> (for single core discipline course of study)	After successful completion of Semester VI	132
4	<i>Bachelor of (field of Multidisciplinary courses of Study) (for multiple core disciplines courses of study)</i>	After successful completion of Semester VI	132
5	<i>Bachelor of (Field of Study/ Discipline) (Honours with Research/Academic Projects/Entrepreneurship) Discipline</i> (for single core discipline course of study)	After successful completion of Semester VIII	176
6	<i>Bachelor of (field of Multidisciplinary courses of Study) (Honours)</i>	After successful completion of Semester VIII	176

18. The course title, code, number of credits, components of lecture, tutorial and practical, pre-requisites to be fulfilled for choosing that course and the department offering the course shall be spelt out for each course (please refer to Table - 5). A student should fulfil the pre-requisites of a course to be able to opt it for study.

Table – 5

(Examples given in the table are merely illustrative)

Sl. No.	Course Title	Course Code	No. of credits	Components of the course			Pre-requisites of the course
				Lecture	Tutorial	Practical	
1.	A	DSC01	04	3	0	1	NIL
2.	B	DSC05	04	2	0	2	Pass in DSC01
3.	C	GE01	04	3	1	0	NIL
4.	D	GE03	04	3	1	0	Pass in GE01
5.	E	SEC01	02	1	0	1	NIL

Table -6

Illustration - 1: Sample UGCF for Multidisciplinary Courses of Study @#

Semester	Core (DSC)	Elective (DSE)	Generic Elective (GE)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Internship/ Apprenticeship/Project (2)	Value addition course (VAC)	Total Credits
I	Discipline A 1- (4)		Choose one from a pool of courses GE-1 (4)	Choose one from a pool of AEC courses (2)	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 credits
	Discipline B 1- (4)							
	Discipline C 1- (4)							
II	Discipline A 2 (4)		Choose one from a pool of courses GE-2 (4)	Choose one from a pool of AEC courses (2)	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 credits
	Discipline B 2 (4)							
	Discipline C 2 (4)							
	Students on exit shall be awarded Undergraduate Certificate (in the Field of Multidisciplinary Study) after securing the requisite 44 credits in Semesters I and II							Total = 44
III	Discipline A 3 (4)	Choose from pool of courses, DSE A/B/C (4) OR Choose from pool of courses, GE -3 (4)		Choose one from a pool of AEC courses (2)	Choose one SEC OR Internship/Apprenticeship/ Project/community Outreach (2)		Choose one from a pool of courses (2)	22 credits
	Discipline B 3 (4)							
	Discipline C 3 (4)							
IV	Discipline A 4 (4)	Choose from pool of courses, DSE A/B/C (4) OR in the alternative GE - 4 (4)		Choose one from a pool of AEC courses (2)	Choose one SEC OR 'Internship/Apprenticeship/ Project/community outreach (2)		Choose one from a pool of courses (2)	22 Credits
	Discipline B 4 (4)							
	Discipline C 4 (4)							
	Students on exit shall be awarded Undergraduate Diploma (in the Field of Multidisciplinary Study) after securing the requisite 88 credits on completion of Semester IV							Total = 88
V	Discipline A 5 (4)	Choose one from a pool of courses DSE	Choose one from a pool of courses GE-5 (4)		Choose one SEC OR Internship/Apprenticeship/ Project/Community outreach (2)			22 credits
	Discipline B 5 (4)							

	Discipline C 5 (4)	A/B/C - (4)					
VI	Discipline A 6 (4)	Choose one from a pool of courses DSE A/B/C – (4)	Choose one from a pool of courses GE-6 (4)		Choose one SEC OR ‘Internship/Apprenticeship/Project/Research/Community Outreach (2)		22 credits
	Discipline B 6 (4)						
	Discipline C 6 (4)						
	Students on exit shall be awarded Bachelor of (in the Field of Multidisciplinary Study) after securing the requisite 132 credits on completion of Semester VI						Total= 132
VII	DSC-(4)	Choose three DSE (3x4) courses OR Choose two DSE- (2x4) and one GE (4) course OR Choose one DSE and two GE (4) courses OR All three GE 7, 8 & 9 (total = 12)				Dissertation on Major (4+2) OR Dissertation on Minor (4+2) OR Academic project/Entrepreneurship (4+2)	22 credits
VIII	DSC - (4)	Choose three DSE (3x4) courses OR Choose two DSE- (2x4) and one GE (4) course OR Choose one DSE and two GE (4) courses OR All three GE 10, 11 & 12 (total = 12)				Dissertation on Major (4+2) OR Dissertation on Minor (4+2) OR Academic project/Entrepreneurship (4+2)	22 credits
Students on exit shall be awarded Bachelor of (in the Field of Multidisciplinary Study) (Honours or Honours with Academic Projects/Entrepreneurship) after securing the requisite 176 credits on completion of Semester VIII							Total = 176

@# - The framework is based on the Common UGCF provided in Table-3 and is relevant for those programmes where more than one discipline is preferred as core courses, such as Bachelor in Life Sciences, Physical Sciences, or any other such multidisciplinary fields of study.

Illustration 2: Sample UGCF for Courses of Study with more than one Core Discipline								
Semester	Core (DSC)	Elective (DSE)	Generic Elective (GE)	Ability Enhance ment Course (AEC)	Skill Enhanceme nt Course (SEC)	Internsh ip/ Apprenti ce ship/Pro ject (2)	Value addition course (VAC)	Total Credits
I	DSC-1(A/B)		Choose one from a pool of GE Languages Language -1* GE-1 (4)	Choose one from a pool of AEC courses (2)	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 credits
	Discipline - A1							
	Discipline-B1 (4)							
II	DSC -2 (A/B)		Choose one from a pool of GE Languages Language-2* GE -2 (4)	Choose one from a pool of AEC courses (2)	Choose one from a pool of courses (2)		Choose one from a pool of courses (2)	22 credits
	Discipline - A2							
	Discipline-B2 (4)							
Students on exit shall be awarded Undergraduate Certificate (in the Field of Multidisciplinary Study) after securing the requisite 44 credits in Semesters I and II								Total = 44
III	DSC-3 (A/B)		Choose one from pool of GE Languages, Language-3*	Choose one from a pool of AEC	Choose one SEC OR Internship/Apprenticeshi p/ Project/Community Outreach (2)		Choose one from a pool of courses (2)	22 credits
	Discipline - A3							

	Discipline - B3 (4)		GE - 3 (4)	courses (2)			
IV	DSC – 4 (A/B)		Choose one from pool of GE Languages, Language-4* GE - 4 (4)	Choose one from a pool of AEC courses (2)	Choose one SEC OR Internship/Apprenticeship/ Project/community outreach (2)	Choose one from a pool of courses (2)	22 Credits
	Discipline - A4						
	Discipline - B4 (4)						
Students on exit shall be awarded Undergraduate Diploma (in the Field of Multidisciplinary Study) after securing the requisite 88 credits on completion of Semester IV							Total = 88
V	DSC – 5 (A/B)	Choose one from a pool of courses DSE-1 (A/B) (4)	Choose one from a pool of courses GE-5 (4)		Choose one SEC OR Internship/Apprenticeship/ Project/Research/Community Outreach (2)		22 credits
	Discipline – A5						
	Discipline – B5 (4)						
VI	DSC – 6 (A/B)	Choose one from a pool of courses DSE-2 (A/B) (4)	Choose one from a pool of courses GE-6 (4)		Choose one SEC OR ‘ Internship/Apprenticeship/ Project/Research/Community Outreach (2)		22 credits
	Discipline – A6						
	Discipline – B6 (4)						
Students on exit shall be awarded Bachelor of (in the Field of Multidisciplinary Study) after securing the requisite 132 credits on completion of Semester VI							Total=132
VII	DSC-13 (4)	Choose three DSE (3x4) courses OR Choose two DSE- (2x4) and one GE course OR				Dissertation on Major OR Dissertation on Minor OR	22 credits

		Choose one DSE and two GE courses OR Choose three GE 7, 8 & 9 (total = 12)				Academic project/ Entrepreneurship (6)	
VIII	DSC -14 (4)	Choose three DSE (3x4) courses OR Choose two DSE- (2x4) and one GE course OR Choose one DSE and two GE (4) courses OR Choose three GE 10, 11 & 12 (total = 12)				Dissertation on Major OR Dissertation on Minor OR Academic project/ Entrepreneurship (6)	22 credits
<i>Students on exit shall be awarded Bachelor of (in the Field of Multidisciplinary Study) (Honours or Honours with Academic Projects/Entrepreneurship) after securing the requisite 176 credits on completion of Semester VIII</i>							Total = 176

* Languages 1, 2, 3 & 4 offered in semesters I, II, III & IV respectively are courses of two different Languages (one of which shall be an Indian Language) to be chosen from a pool of Languages offered as GE. A student shall study two courses of each language.

DSC-1 to DSC-6 shall be core courses of either Discipline A or B.

If a student wishes to Major in Discipline A, then he/she should earn at least 80 credits from DSCs and DSEs of Discipline A. If the sum total of the DSCs and DSEs of Discipline A is less than 80 credits, then the credits earned in the dissertation written on a topic of Discipline A shall also be taken into consideration to complete the requisite 80 credits.

IX. Concluding note

An overview of the UGCF 2022, clearly brings out the multidisciplinary approach, adherence to innovative ways within the curriculum framework to allow the student maximum flexibility in pursuing his/ her studies at the undergraduate level to the extent of having the liberty to eventually design the degree with multiple exit options depending upon the needs and aspirations of the student in terms of his/ her goals of life, without compromising on the teaching learning, both in qualitative and quantitative terms.

The university expects maximum involvement of the student fraternity in utilising the benefits of such a flexible yet rigorous curriculum framework at the undergraduate level and reaping the benefits of it through enrichment of their skills in their area of interest which will eventually help them in gaining employment, entrepreneurship, start-ups and various other ways of a dignified life and living as a global citizen with comparable skills and innovative ideas befitting to the contemporary global demands. The university expects the youthful nation to reap the maximum benefits out of the UGCF-2022 in developing skilled manpower to harness the youthful energy at one hand and expand the permeation of the skilled workforce globally, taking the demographic advantage on the other hand.

- 1. Amendment to Ordinance XX [E.C Res. No. 69/- dated 25.03.2022] related to establishment of Delhi School of Analytics under the IoE:**

Add the following:

**Ordinance XX-W
Delhi School of Analytics**

1. Governing Structure

The governance of the DSA shall be carried out through the following bodies under the overall control and supervision of the Governing Council of the Institution of Eminence (IoE) and the Executive Council of the University. There shall be the following governing structure:

1.1. Governing Body

1.1.1. Constitution of the Governing Body

There shall be a Governing Body for the management of the DSA which shall comprise:

- i. Vice Chancellor or his nominee - Chairperson
- ii. Chief Executive Officer, IoE — Co-Chairperson
- iii. Finance Officer (Ex-Officio)
- iv. Registrar (Ex-Officio)
- v. One Dean from the Faculty of Applied Social Sciences and Humanities, Mathematical Sciences or Interdisciplinary and Applied Sciences by rotation.
- vi. Two eminent scholars of international repute from outside the University of Delhi to be nominated by the Vice Chancellor/Governing body, IoE.
- vii. Two Representatives of the leading institutions in the field of Business and Financial Analytics, Data Analysis and Decision Science to be nominated by the Governing Council, IoE.
- viii. Up to two members from the Government, Corporate Sector and Civil Society to be nominated by the Governing Council, IoE.
- ix. Director/Joint Director- Member Secretary.

1.1.2. The Term

Except for the ex-officio members, all other members of the Governing Body shall have a term of two years. The Governing Body shall meet at least once in the

financial/academic year. The quorum in the meetings of the Governing Body shall be one third of the total membership.

1.1.3. Functions of the Governing Body

Subject to the overall control of the Governing Council of the IoE, the Governing Body shall exercise the following functions:

- i) Recommend the appointment of the Director and Joint Director to the Governing Council;
- ii) Appoint /invite Faculty/Fellows/Associates for non-tenured positions at various levels of seniority on the recommendations of a Selection/Screening Committee approved by the competent authority.
- iii) Approve academic proposals, programmes, outreach activities and research projects;
- iv) Consider and approve faculty/staff requirement, create positions and initiate steps for making appointments;
- v) Consider and approve infrastructural requirements and make arrangements for their acquisition; consider and approve the annual report of the School;
- vi) Consider and recommend the annual budget of the School for the approval of the Governing Council of the IoE;
- vii) Consider and recommend the annual accounts and audit report for approval of the Governing Council of the IoE;
- viii) Make such rules, as it may consider necessary, for regulation and smooth functioning of the School;
- ix) Exercise such other powers and functions, as may be assigned by the Governing Council of the IoE from time to time;
- x) To appoint, suspend or terminate the services of administrative, academic and non-academic staff of the School and to determine the emoluments and conditions of service: provided, however, that the qualifications for appointment, emoluments, and conditions of the service of such persons shall be in accordance with those laid down by the Governing Council of IoE and reported to the Executive Council for similar posts in the University;
- xi) To appoint or terminate the services of non-academic staff on contract basis on the recommendations of a Committee appointed for the purpose after approval by the competent authority.
- xii) To determine the infrastructure requirements, including building, make arrangements for procurement and consider the recommendations of Committee appointed for the purpose after approval by the competent authority.
- xiii) Affiliate those individuals, groups and organizations involving students, teachers, researchers of this and the other Universities, policymakers and private practitioners who are engaged in the activities that are of interest to

the School; such individuals, groups and organizations will be eligible for financial and other assistance from the School, subject to the approval of the Governing Body on a case to case basis.

2. Office Bearers

2.1. The Director

- 2.1.1 There shall be a Director with distinguished credentials in the field of Business and Financial Analytics, Data Analysis and Decision Sciences who shall be the Head of the School appointed by the Governing Council, IoE on the recommendation of the Governing Body. The Governing Body shall define the qualifications and procedure for appointment of the Director. The term of appointment of Director shall be 5 years. The Director shall be eligible for appointment for another term.
- 2.1.2 However, in order to meet the pressing needs of the School, the Vice Chancellor may appoint a Director for a duration as mentioned in the appointment letter and report the same to the Governing Council, IoE. Till such time a Director is appointed, the Vice Chancellor may appoint an Honorary Director and report the same to the Governing Council.
- 2.1.3 The Director shall function under the overall control of the Governing Body. S/he will be responsible for the management and administration of the School in accordance with the Act, the Statutes, the Ordinances, the rules and regulations of the University.
- 2.1.4 The Director/Joint Director shall act as:
 - Member Secretary of the Governing Body;
- 2.1.5 The Director shall be authorized to maintain and operate an Imprest Account for meeting day to day expenditure of the School.
- 2.1.6 In the absence of the Director, the Joint Director shall perform all such functions and responsibilities which are vested with the Director under the Ordinance.

2.2. Joint Director

- 2.2.1 There shall be a Joint Director with distinguished credentials in the field of Business and Financial Analytics, Data Analysis and Decision Sciences appointed by the Governing Council on the recommendation of the Governing Body. However, in order to meet the pressing needs of the School, the Vice

Chancellor may appoint a Joint Director and report the same to the Governing Council.

- 2.2.2 In case the Joint Director holds a substantive position as a Professor of the University or equivalent position in the University/College of the University, s/he shall hold the position of Joint Director in addition to her/his regular duties at his/her parent Department/Institution/College.
- 2.2.3 The term of the Joint Director shall be up to three years which may be renewed.

2.3. Officer on Special Duty (OSD)

- 2.3.1 The Vice Chancellor may appoint an OSD in consultation with CEO, IoE to assist the Director/Joint Director in the discharge of functions entrusted to her/him by the Governing Body, CEO and/or the Vice Chancellor.
- 2.3.2 In absence of the Director/Joint Director, OSD shall discharge the functions vested with them with approval of the CEO.

3. Webmaster

- 3.1 There shall be a Webmaster to develop, manage and administer the online platform of the School.
- 3.2 A Webmaster shall be appointed by the Governing Body in accordance with the rules and regulations of the University.
- 3.3 The Governing Body shall have discretion to outsource the functions of the Webmaster to an individual/agency on contract basis.
- 3.4 The salary and other monetary compensation for the Webmaster's position shall be decided by the Governing Body within the existing rules and regulations of the University.

4. Faculty members/Fellows/Post-doctoral Fellows, and Research Associates

The School shall have Faculty members appointed as per the relevant rules of the University. The School shall also have Visiting Faculty/Fellows/Post-doctoral Fellows, and Research Associates, the number of which will be determined by the Governing Body from time to time.

4.1 Visiting Fellows/Faculty:

- 4.1.1 Scholars who have made notable contributions in the field of Business and Financial Analytics, Data Analysis and Decision Sciences and the allied

fields or those who have the research and teaching experience in the of Business and Financial Analytics, Data Analysis and Decision Sciences may, with the recommendations of Governing body and approval of the Vice Chancellor be invited as Visiting Fellows/Faculty.

- 4.1.2 Visiting Fellows/Faculty may be invited for a period up to one year and not less than two weeks to deliver a course or lectures or take seminars or participate in such other activities that help in advancing the teaching and research work of the school. In exceptional circumstances, the duration may be extended to a maximum period of three years, with the approval of the Governing Body and the Vice Chancellor. They shall, however, not be members of any statutory committee of the School or of the University.
- 4.1.3 The Vice Chancellor will determine, with the approval of Governing Council, other terms and conditions as may be required, including the emolument of the appointments.

4.2 Distinguished Fellows:

- 4.2.1 The Vice Chancellor on the recommendation of the Governing Body may designate eminent experts in the field of Business and Financial Analytics, Data Analysis and Decision Sciences and allied fields associated with the School as Distinguished Fellows.

4.3 Affiliate Fellows:

- 4.3.1 Teachers and researchers of the University of Delhi's Departments/Colleges/Centres/other institutions or organizations including government departments may be considered for Fellowship for specific periods by the Governing Body for enabling them to work on specific research projects for a specific period. They may continue working in their respective parent departments/colleges/institutions and at the same time locate their research projects in the School and participate in its programmes.

4.4. Fellows on Secondment/Transfer/Deputation:

- 4.4.1 On the recommendations of the Governing Body, Fellows already in the employment of the Departments/Centres, Colleges or other institutions of the University of Delhi may be placed in the School on secondment/transfer or deputation for a specific period with full pay protection. They shall also be entitled for all allowances and benefits as

applicable including continuity of service prior to their placement in the School.

- 4.4.2 In the event of a Fellow being selected from outside the University, such appointment shall be for a specific period on terms and conditions as decided by the Governing Body of the School.

4.5 Associates:

- 4.5.1 Teachers/Research Scholars working in University Departments/Colleges/Centres will be considered for affiliation as Associates of the School for a specific project for a specific period by the Governing Body.

5. Finances

- 5.1 All expenditures of the School such as on the web management and conduct of teaching/research/outreach, seminars, research projects, publications, administration and other support activities shall be made as per the budget and allocations approved by the Governing Council.
- 5.2 All financial operations shall be conducted according to the rules and regulations of the University of Delhi.

2. Amendment to Regulation regarding addition of Faculty of Open learning [E.C Res. No. 77-10(1) dated 25.03.2022]

Add the following:

Faculty of Open Learning

- a. Meeting of the Faculty of Open Learning may be convened by the Dean at any time
- b. Any member wishing to make a proposal not included in the Agenda may send his proposal to the Director, Campus of Open Learning so as to reach his office at least three days before the date of the meeting. The Director, Campus of Open Learning shall circulate such proposal among the members of the Faculty of Open Learning.
- c. No business or proposal, of which previous notice has not been given, shall be brought before the Faculty of Open Learning at the meeting, except by special permission of the Chairman.

- d. At all meetings of the Faculty, 1/3rd members, inclusive, of the Chairman shall form a quorum.
- e. In the absence of the Dean, the members present shall elect their own Chairman.
- f. The Chairman may give his own vote, and on equality of votes, he shall possess a casting vote.
- g. The rules of discussion shall be the same as those for the meetings of the Academic Council and the Chairman shall have the power to enforce them at his discretion.

3. Amendment to Regulation regarding addition of Committee of Courses and studies in the Faculty of Open learning [E.C Res. No. 77-10(4) & 77-10(1) dated 25.03.2022]

Add the following :

Committee of Courses and Studies in the Faculty of Open Learning

There shall be a Committee of Courses and Studies in the Faculty of Open Learning consisting of following members:

- i. Head, Department of Distance and Continuing Education
- ii. Teacher-in-Charge of each subject discipline
- iii. All Professors
- iv. One Reader (Associate Professor) and One Lecturer (Assistant Professor)
- v. Three (3) Expert members in the Committee of Courses

Department of Distance and Continuing Education

- i. Meeting of the Department may be convened by the Head of the Department of Distance and Continuing Education at any time.
- ii. Any member wishing to make a proposal not included in the Agenda may send his proposal to the Dean so as to reach his office at least three days before the date of the meeting. The Dean shall circulate such proposal among the members of the Department.
- iii. No business or proposal, of which previous notice has not been given, shall be brought before the Department at the meeting, except by special permission of the Chairman.
- iv. At all meetings of the Department, five members, inclusive, of the Chairman shall form a quorum.
- v. In the absence of the HoD, the members present shall elect their own Chairman.

- vi. The Chairman may give his own vote, and on equality of votes, he shall possess a casting vote.
- vii. The rules of discussion shall be the same as those for the meetings of the Faculty of Open Learning, and the Chairman shall have the power to enforce them at his discretion.

4. Amendment to Ordinance XX [E.C Res. No. 75/ dated 25.03.2022] related to establishment of Institute of Nanomedical Sciences (INMS)

Add the following:

**Ordinance XX - X
Institute of Nanomedical Sciences (INMS)**

1. Governing Structure

The governance of the Institute of Nano Medical Sciences shall be carried out through the following bodies under the overall control and supervision of the Executive Council of the University.

- 1.1. Governing Body
- 1.2. Advisory Council

1.1.1. Constitution of the Governing Body

Subject to the general control and supervision of the Executive Council, and in accordance with the Statutes and Ordinances of the University, the INMS shall have a Governing Body. The composition of the Governing Body shall be as follows :

- 1) Chairman (Vice-Chancellor or his nominee).
- 2) Pro-Vice-Chancellor (Ex- Officio)
- 3) Director, South Campus (Ex-Officio)
- 4) Dean of Colleges (ex-officio)
- 5) Dean, Faculty of Science (ex-officio)
- 6) Three expert members (Outside University of Delhi) to be nominated by the Vice Chancellor
- 7) Two Heads of the Departments on rotation basis from the Department of Chemistry, Biochemistry, Microbiology, Zoology, ACBR, Physics, Botany.
- 8) Dean, Faculty of Medical Sciences (Ex Officio)
- 9) Head, Department of Medicine, University College of Medical Sciences, University of Delhi.

- 10) Director, Institute of Nano Medical Sciences, Member Secretary (Ex Officio)
- 11) Registrar (Ex Officio)
- 12) Finance Officer (Ex Officio)

1.1.2. The Term

Except for the ex-officio members, all other members of the Governing Body shall have a term of three years. The Governing Body shall meet at least twice in the academic year. The quorum in the meetings of the Governing body shall be 50% of the total membership.

1.1.3 Functions of the Governing Body

The Governing Body shall exercise the following powers and functions, subject to the general control and supervision of the Executive Council, and in accordance with the Statutes and Ordinances of the University:

- i) To Chart out the programme and activities of Institute of Nano Medical Sciences and expand and/or review activities of the Institute.
- ii) Identify and appoint faculty on deputation from various departments/colleges and research Institutions from within the University and outside the University. Appoint visiting faculty on contract basis, visiting fellow and/or guest faculty.
- iii) Prepare the Budget of financial requirements of INMS and monitor the progress made by it.
- iv) Consider and approve the Annual Accounts along with the Audit Report.
- v) Approve proposals for generation of funds for the programmes undertaken by the Institute.
- vi) Make such rules as it may consider necessary for the regulation and smooth functioning of the Institute from time to time.
- vii) Regarding appointment, suspension or termination of the services of administrative, academic and non-academic staff of the Institute and to determine the emoluments and conditions of service, University rules will be applicable.
- viii) To appoint or terminate the services of the non-academic staff on contract basis on the recommendation of the Director in order to improve the efficiency of the Institute.
- ix) To determine the infrastructure requirements, including space.
- x) To consider the recommendation of the advisory council.

- xi) To consider any matter related to the institute and to ensure its growth and development.

1.2.1. Constitution of the Advisory Council

There shall be an Advisory Council to be nominated by the Vice-Chancellor for a period of 3 years and will be composed of:

- (i) Chairperson to be appointed by the Vice-Chancellor.
- (ii) Director, Institute of Nano Medical Sciences (ex-officio)- Member Secretary
- (iii) There shall be a maximum of 8 expert members to be nominated by the Vice-Chancellor
- (iv) among the participating Departments viz. Dept. of Medicine, Chemistry, Biochemistry, Microbiology, Zoology, ACBR, Physics, Botany and such other departments as decided from time to time.
- (v) There shall be a maximum of three expert members to be nominated by the Vice Chancellor from outside the university.

1.2.2 The Term

Except for ex-officio members, all other members of the Advisory Council shall have a term of three years. The Advisory Council shall meet at least twice in one academic year. The quorum in such meetings shall be 50% of the total membership.

1.2.3. Functions of the Advisory Council

The function of the Advisory Council will be to give suggestions for meaningful accomplishment of the objectives of the INMS and to engage with the progress of the ongoing programmes from time to time.

2. Office Bearers

2.1 The Director

- (i). There shall be a Director with high academic credentials who should be a Professor. The Director should have notable contribution in the field of Nano Medical Science which can be reflected from his/her publications

and outreach activities. The Director shall be appointed by the Vice Chancellor from amongst the Professors in the constituents and participating departments of the University for a period of three years or till he/she attains the age of 65 whichever is earlier.

- (ii). The Vice Chancellor will appoint the Director and report the same to the Executive Council.
- (iii). He/She shall hold the position of Director in addition to her/his regular duties at his/her parent Department/Institution. The Director may be appointed on deputation also.
- (iv). The Director shall function under the overall control of the Governing Body. He/She will be responsible for the management and administration of the Institute in accordance with the Act, the Statutes, the Ordinances, the rules and regulations of the University.
- (v). The Director shall act as:
 - Member Secretary of the Governing Body;
 - Member Secretary of the Advisory Council
- (vi). The Director shall be authorized to maintain and operate an Imprest Account for meeting day to day expenditure of the Institute.
- (vii). In the absence of the Director, the Joint Director shall perform all such functions and responsibilities which are vested with the Director under the Ordinance.

2.2 Joint Director

- (i) There shall be a Joint Director with distinguished credentials in the field of Nano Medical Science and related fields appointed by the Vice Chancellor.
- (ii) He/She shall hold the position of Joint Director in addition to her/his regular duties.
- (iii) Joint Director shall be in a rank of Professor and can serve till he/she attains the age of 65 years.
- (iv) The term of the Joint Director shall be up to three years which may be extended by the Vice Chancellor.
- (v) In the absence of the Director, the Joint Director shall perform all such functions and discharge all such responsibilities which are vested with the Director under the ordinance.

3. Faculty members: Visiting Professors/Adjunct Professors/Fellows/Distinguished Professors/Associated Faculty /Junior/Senior/Post-doctoral Fellows etc.

The INMS shall have Faculty Members appointed as per the general rules of the University. The INMS shall also have Visiting Faculty/Fellows/Post-doctoral Fellows, and Research Associates.

(i) Core Faculty members can be appointed on direct recruitment basis whenever the regular posts are created in a manner as prescribed.

(ii) **Visiting and Adjunct Professors/ Fellows/Faculty:**

a) Scholars who have made notable contributions in the field of Nano Medical Science and the allied fields or those who have the research and teaching experience in the same may be appointed as Adjunct Professors/ Visiting Fellows Visiting Faculty by the Director with the approval of the Governing Body of INMS.

(b) They may be appointed for a period of two years. In exceptional circumstances, the duration may be extended to a maximum period of five years on yearly renewal basis, based on the performance criteria as prescribed.

(iii) **Distinguished Professors and Professor of Emeritus:**

Eminent experts in the field of Nano Medical Sciences and allied field can be appointed as Distinguished Professors and Professor of Emeritus by the Director with the approval of the Governing Body of INMS.

(iv) **Associated Faculties:**

Faculty members working in University Participating Departments and constituents units can be appointed as Associate Faculty to carry out research and teaching in INMS for a specific project for a specific period by the Director with the approval of the Governing Body of INMS.

(iv) **Junior/ Senior/Post-doctoral Fellows etc.**

Junior Research Fellows (JRF), Senior Research Fellows (SRF) Research Associates/Scientists/Fellows of UGC/ CSIRIDBT /DST/ DRDO/ ICMR and post Doctoral Fellows from any other funding agencies having their own Fellowships can join INMS till the tenure of their Fellowships.

4. Finance

(i) The Institute has to earn its financial support from Govt. Funding Agencies and National/ international collaborators/industries, as per the requirements.

(ii) The INMS can also raise resources through Projects/ Donations/ Philanthropy etc.

(iii) All expenditures of INMS such as on the conduct of research/ teaching/ outreach, seminars, research projects, publications, administration and other support activities shall be made as per the rules and regulations of the University of Delhi.

- (iv) All financial operations shall be conducted according to the GFR and the rules and regulations of the University of Delhi.

5. Space

- (i) Institute will initiate its administration and research activities from Faculty of Medical Science. **The regulatory and Ethical Clearances are available with the Faculty.**

6. Intellectual Property Rights;

- (i) Any patent or technology developed by INMS will be administered as per the rules of the University of Delhi.

7. Audit

- (i) The accounts of the INMS shall, once in every year, at intervals of not more than fifteen months, be audited by the University Audit Section.
(ii) The accounts when audited, a copy of the accounts together with the audit report shall be reported by the Director to the Governing Body of the INMS.

General Conditions :

- (1) Subject to the provisions of the Act and Statutes and these Ordinances, the issues not covered in these ordinances or in the event of differences of interpretation, the Vice Chancellor may take a decision, after obtaining the opinion of a committee consisting of any or all the Deans of the University. The decision of the Vice Chancellor shall be final.
- (2) In special circumstances, the Vice Chancellor may, on behalf of the Executive Council, approve amendment, modification, insertion or deletion of any ordinance(s), which in his opinion is necessary or expedient for the smooth running of a program, provided that all such changes shall be reported to the Executive Council in its meeting for ratification.