

## Ph.D. Courses (Ayurveda)

### Course Content

The Course Content for fulfilling the credits required, compulsory & Optional Courses for Ph.D. Candidates:

Note:

- Course Content - 01 to 02 are Compulsory for all
- Among optional subjects, each candidate should take minimum 2 course modules.
- Course modules should be completed in minimum one semester (6 months) and maximum 2 semesters (1 year)

#### Course Module-1

60 hours

4 credits

#### Paper – 1 Research Methodology

S.No.	Topic	Hours
1.	Research Methodology (Compulsory)	30
	Introduction to Research Methodology- identification of the problem, formulating the objectives, preparing study designs	
	Scientific Writing	
	Structure and components of Scientific Reports	
	Development of the research plan	
	Analysis of literature Review	
	Data collection and analysis	
	Framing Research Questions	
	Epidemiological methods and Research	
	Qualitative Research methods	
	Sampling methods and techniques	
	Manuscriptology	
Total hours and Credits		30

Paper:2: Research & Publication Ethics

S.No.	Topic	Hours	Credit
1.	Research & Publication Ethics	30	2

Course module 1, Paper 1 & 2 : 60 hours and 4 credits

### Course Module – 2

#### Ayurveda Informatics

60 hours

4 credits

S.No	Topics	Hrs
I.	Introduction and Objectives and Key Requirements	08
	Need to study GCLP	
	Correlation of Good Practices regulation with the basic research and drug discovery	
	Principle, procedure and applications of 'accreditation' as per guidelines of Accreditation bodies like ISO, NABH, NABL, IPHS, WHO etc.	
	Rationale, definition and classification of bio-hazardous Waste	8
	Health impacts of different types of waste generated in a health-care centre	
	Legislative-regulatory policy aspects	
	Standard procedures as per WHO guidelines for proper handling, storage and transportation of medical waste	
	Treatment and safe disposal of medical waste and its application.	
	Classification, Treatment and safe disposal of Panchkarma, Shalya and Shalkya procedure's waste.	
	Definition and objectives according to Organization for economic Co-operation and Development (OECD) guidelines	6

Application of IPR in research and development	
Benefits and critics associated with IPR implementation	
Choosing a research topic for the Ph.D. thesis, framing questions and objectives of the study	16
Discover Lacunae in the Literature surveyed, preparing a hypothesis	
Illustrate the objectives of the study and the detailed work plan	
Various study designs including cross-sectional, case control and cohort	
Estimating sample size for a cross-sectional survey- and case and case control study, simple selection procedure and inclusion/exclusion criteria	
Univariate, bivariate and multivariate analysis, data entry using excel and SPSS.	
Scientific communication	6
Regulatory bodies in research: Institutional Ethics Committee, Institutional Biosafety Committee, Animal Ethics Committee, Review Committee on Genetic Manipulation, Genetic Engineering Approval Committee	
Bioinformatics – Introduction to bioinformatics' databases such as BLAST, Swiss Prot, Crustal, ORF finder etc. Software skills training like CDAC, AYU-soft, AYUSH GRID, HMIS, Triskandha, Lakshana Samuchchaya etc	4
Characterization and standardization of drugs from medicinal plants, OECD guidelines for toxicity studies	4
Principle of Nutrition Research in holistic management of Ayurveda including Diet, Lifestyle, Yoga and Panchakarma National Health Program Disease prevention and Control Principle and standardization of lehan karma and Swarnprashan	8

**OPTIONAL COURSE MODULES****Samhita siddhanta****Course Module – 1****60 hrs**



Sl. No.	Topic	Hours
I.	1. Introduction of Brihat Trayee, their contribution to Ayurvedic science 2. Scope for research in Ayurvedic Samhita. 3. Practical application of principles of Dinacharya and Ritucharya as in Ayurvedic Samhita 4. Validation of Chikitsa Chatushpada for the success of treatment	15
II.	1. Clinical application of Adhyatma Dravyaguna Sangraha. 2. Understanding of components of Manas, Mano vriti, Mano karma, Vishayas and its scope in Ayurvedic psychiatrics. 3. Concept of Punarjanma and its validation by using Chaturvid Pareeksha. 4. Concept of Purusha, its classification and application in Ayurveda treatment principles. 5. Practical application of Loka-Purusha Samyavad and its applicability in research	15
III.	1. Concept of Adharneeya and Dharneeya Vegas 2. Concept of Ashtavidha Ahaara Vidhi Visheshayatana and its utility in clinical research 3. Principles of Ahaara, Ahaaravidhi Vidhan and their role in maintaining health.	10
IV.	1. Understanding of <i>Ashta Trikas</i> and <i>Tri Eshana</i> 2. Application of <i>Dosha-dhatu-Mala Moolam Hi Shareeram</i> 3. <i>Dahatu Pradoshaja vikara</i> and its Chikitsa 4. Concept of <i>Ama</i> and its role in the causation of diseases 5. Utility and practical application of <i>Janpadodhwamsa</i>	10
V.	1. Principles of <i>Sadvrita</i> and <i>Achara Rasayana</i> 2. Interpretation <i>Shastra Gyana Sadhana- Adhyayana, Adhyapana</i> and <i>Tadvidhya Sambhasha</i> from research 3. Scope of <i>Dahsha Vidhya Pareekha</i> and <i>Pareekshya bhavas</i> in research methodology.	10

## Samhita Siddhanta

### Course module- 2



Sl.No.	Topic	Hours
I.	5. Ayurveda perspective of Shad Darshana 6. Practical application of Karya-Karana Siddhanta, Satkaryavada, Arambhvada, Parmanuvada, Satkaryavada, Yadrichavada, Karmavada	15
II.	6. Understanding of Shad Padartha from research perspective and its utility in Ayurveda 7. Pramanas as tools for research - Aptopadesha Pramana, Pratyaksha Pramana, Anuman Pramana, Yukti Pramana.	15
III.	4. Principles application of Tantrayukti. Tacchilya, Arthashrya, Tantradosha, Tantraguna. 5. Understanding of Vada Margas.	10
IV.	6. Various theories (theories of Taittiriyaopanishad, Nyaya-Vaisheshika, Sankhya-Yoga, Sankaracharya, Charaka and Sushruta) regarding creation of Panchamahabhoota 7. Qualities of Panchamahabhoota: Prithvi, Ap, Teja, Vayu and Akash 8. Practical application of Panchamahabhoota	10
V.	4. Classification of Padartha according to various school of thoughts. 5. Understanding of Shad Padartha from Ayurveda perspective 6. Practical application of Dravya, Guna, Karma, Samanya, Vishesha, Samvaya.	10

## KAYACHIKITSA

### Course Module – 1

60 hrs

4 Credits

Sl.No.	Topic	Hours
I.	7. Basic Principles in Ayurvedic research methodology 8. Fundamental concepts of Kayachikitsa – basic knowledge of Dosha,	10

	Dhatu, Mala, Agni and Srotas and their significance in health	
II.	8. Knowledge of Vikriti of Dosha, Dhatu, Mala, Agni, Ama, Srotas; Doshagati, Rogamarga, Srotodushti, Shatkriyakala asayapakarsaha, Ama and Avarana - scientific relevance in disease 9. Nidana Panchaka, Rogi-Roga Pariksha - Clinical methods in the light of recent advances 10. Interpretation of common investigations - in different pathological conditions 11. Knowledge of undertaking common medical procedures like Ryle's tube feeding, tapping, transfusions, catheterization, tractions	20
III.	6. Principles of Chikitsa of Ayurveda - Shamana, Shodhana, Panchakarma, Rasayana and Atyayika Chikitsa and its application 7. Knowledge of Ayurveda Dietetics, Pathya, Apathya and Anupana 8. Role of Ayurveda services in National Health Programmes 9. Medical ethics, Common laws and regulations applicable	20
IV.	9. Knowledge of common Ayurvedic formulations and preparations used in the treatment – Kashaya, Churna, Gutti-Vati; Asava -Aristha; Ghrita-Taila; Avaleha, Rasakalpa) 10. Oushadha Sevana Kala, Routes of Ayurvedic drug administration and applied aspect	10

## KAYACHIKITSA

### Course Module – 2

60 hrs  
4 Credits

Sl.No	Topic	Hours
I.	1. Samanya Roga Chikitsa - Nidana/ Chikitsa including Nidana Parivarjana, Pathya, Apathya, Chikitsa siddhanta, Shamana, Shodhana, Panchakarma, Rasayana and Atyayika Chikitsa (Anupana,	20

	Drug/Nondrug) as per Ayurvedic and conventional therapeutics of <ul style="list-style-type: none"> <li>Pranavaha, Annavaha, Udakavaha, Rasadidhatuvaha Malavaha, Manovaha Srotovikara, Vatavyadhi and Sankramakroga, Janapadodhvamsa Vikara</li> </ul>	
II.	1. <b>Vishishta Roga Chikitsa</b> - Comprehensive knowledge of etiology, demography, pathogenesis, symptomatology, complications, investigations, diagnosis and drug/non-drug management of following diseases as per Ayurveda/ Conventional therapeutics of <ul style="list-style-type: none"> <li>Musculo-skeletal disorders, Neurological, Neurodegenerative disorders, Psychiatric disorders, Metabolic disorders, Endocrinal disorders, Parasitic / Infective /Communicable disorders, immunological disorders, allergic disorders, Autoimmune diseases, Environmental diseases, Common worm infestations. Genetic and chromosomal disorders</li> <li>Common neoplastic disorders their management strategies. Role of Ayurveda medicines in cancer care including palliative care.</li> </ul>	20
III.	1. Common poisonings and their management 2. Knowledge of Geriatric care and terminal care medicine. 3. Knowledge of application of Rasayana and Vajikarana	10
IV.	1. Advances in Kayachikitsa Critical care medicine, Management of medical emergencies, ICU services, Field medical services. 2. Basic Knowledge of <ul style="list-style-type: none"> <li>Hospital management strategies, Disaster management strategies, National Health Campaigns of AYUSH and NRHM, immune-protection, immuno-modulation, Organ transplantation, Gene therapy, Stem cell therapy, Radio-isotopes, Disease and Tumour markers</li> <li>Independent and Collaborative Research in Kayachikitsa</li> <li>Advances in Rasayana and Vajikarana therapies</li> <li>Emerging trends in Panchakarma</li> <li>Physical Medication and Rehabilitation.</li> </ul>	10



## KAUMARABHRITHYA

### Course Module – 1

60 hrs  
4 Credits

Sl. No.	Topics	Hours
I.	Strength of Ayurveda Pediatrics in Child health care. Introduction to literary works on Kaumarabhritya from ancient to modern times, update on subject publications Introduction to hospital management with special emphasis on paediatric care, ward, nursery, NICU management. Update on Panchakarma and other procedures in childhood disease management.	15
II.	Introduction to Research in Kaumarabhritya: Need of research in Kaumarabhritya, potential areas of research and update on clinical research in Kaumarabhritya. Ethical issues in research with special reference to childhood age. Regulatory provisions and specific consideration in research methods related to children. National and International Regulatory laws related to child health and clinical practice.	15

	Introduction to latest trends in research and preparation of research proposal in Kaumarabhritya subject.	
III.	Drugs, Dosage forms and Posology: Update on Applied pharmacological considerations, Ayurveda and modern concepts of posology, administration, distribution, metabolism, excretion, and other important factors of consideration in children. Different dosage forms and their significance, quality and safety aspects of child specific dosage forms. Pharmacovigilance aspects of Pediatric products with latest updates.	15
IV.	Approach to healthy and sick child, anthropometry, physical and psychological developments, examination methods, CRF (Case Record Format), diagnostic tools and scales for assessment and their importance in research with latest updates. Update on National programs related to children.	15

## KAUMARABHRITHYA

Course Module – 260 hrs  
4 Credits

Sl.No	Topics	Hours
I.	Newborn and neonatal care, neonatal resuscitation, structural and functional changes during neonatal period, nutrition, investigations, diagnosis and management of diseases during neonatal period with latest advancements and research updates.	15
II.	Updated knowledge and research updates on Growth & Development, Nutrition, and fundamental principles of Ayurveda with special reference to childhood age. Adolescent health issues and their management. Principles and practice of child psychology with research updates. Discussion on topics such as Samskaras, Rakshakarma, Dhupana, and Balagraha and their significance in research.	15
III.	Importance of immunity enhancing measures such as Lehana karma, Swarnaprashana, Bala Rasayana yogas and other immunity enhancing	15

	measures with research updates. Update on National Immunization schedule, merits and demerits of vaccination with evidence based research.	
IV.	Updated knowledge on Childhood diseases, diagnosis and management. Latest advancements and technologies in diagnostic techniques. Introduction to pediatric specialties such as preventive pediatrics, social pediatrics, and public health issues in pediatric practice.	15

## STRI ROGA AND PRASUTI TANTRA

### Course Module – 1

60 hrs  
4 Credits

S.No	Topics	Hours
I.	Stri Shariravijnan: Etymological origin of the word Stri. Artava vaha and Stanyavaha strotamsi. Tryavarta yoni Stri Vishishta, Peshi Marmani. Vayobhedena Stri sangnya Anatomy of female reproductive system. (External and internal genital organs) Soft & Bony Pelvis and its obstetrical importance. Congenital malformations of female genital tract.	3
II.	Rajo Vigyana: Description of Raja, Artava and Prathama Rajo Darshana, Rajasvala Charya. Ritumati Lakshana, Ritumaticharya, Ritukala Concept of Stri Sukra Menarche, Menstrual cycle and their regulation by endocrine glands, Ovulation –Importance in conception	4
III.	Garbha Vigyana: Garbhasya paribhasha, Garbhadhanavidhi, Garbhavakranti, Garbha Sambhava samagri, Garbhakara bhava, Panchabhautikatwa of Garbha,	4



	<p>Masanumasika Vridhi of Garbha, Garbha Poshana , Garbhasayasthi</p> <p>Garbhasthiti</p> <p>Foetal attitude, lie, position, presentation</p> <p>Apara, GarbhaNabhinadi, Jarayu, Ulba</p> <p>Formation, Development, Function of Placenta, Umbilical cord, Amniotic fluid</p> <p>Foetal membranes -Abnormalities of Placenta</p> <p>Garbhalingotpatti, Garbhasya Avayavotpatti, Garbha Varnotpatti, Garbha Vikriti</p>	
IV.	<p>Garbhini Vigyana:</p> <p>Lakshana of Sadhyograhita Garbha, Lakshana of Vyakta Garbha, Pumsavana vidhi Diagnosis of Pregnancy</p> <p>Garbhini vyavastha: Garbhini Paricharya, Garbha Upaghatakara Bhava, Dauhrida Ante Natal care-Examination, Investigation and Management</p> <p>Gestational trophoblastic neoplasias, Ectopic pregnancy, IUGR, Intrauterine foetal death, Multiple pregnancy</p>	4
V.	<p>Garbhini Vyapad:</p> <p>General knowledge about Hrillasa, Chardi, Aruchi, Atisara, Vibandha, Arsa, Udavarta, Sotha, Parikarthika, Vaivarnya, Kandu, Kikkisa, Pandu, and Kamala, makkala</p> <p>Common ailments of Pregnancy-High Risk Pregnancy, Emesis gravidarum, Gestational Anemia, Gestational Hypertension, Gestational Diabetes, Toxemias of Pregnancy, Jaundice, AIDS,</p> <p>Ante Partum Hemorrhage causes, clinical features complications and Management</p>	4
VI.	<p>Prasava Vigyana:</p> <p>Prasava Paribhasha, Prasava hetu, Prasavkaala, Sutikagaranirmana, Sangrahaniya Dravyani, Sutikagara pravesha vidhi.</p> <p>Prasavavastha; Prajayani/ Upasthita Prasava/ Asannaprasava lakshana, Aavi. Prasavaparicharya, Jatamatraparicharya</p> <p>Normal Labour:-Definition of Labour, Physiology &amp; Mechanism of Labour, Monitoring of Labour and management. Pictogram, Episiotomy, care and resuscitation of newborn.</p>	4
VII.	<p>Prasava Vyapad:</p> <p>Garbhasanga, Yonisamvarana, Aparasanga, Mudagarbha-defenition,</p>	5

	Nidana, Types & Management b) Induction and augmentation of labour, Cervical dystocia, Cephalopelvic disproportion, Prolonged labour, Preterm labour, Post term labour, foetal distress, Assisted Labour, Caesarian c) Retention of Placenta, PPH - causes, clinical features and management, Genital tract Injuries during labour Uterine Inversion, Amniotic Fluid Embolism, Garbhasthithi parivarthan (Version), Forceps Delivery, Ventouse Delivery.	
VIII	Sutika Vigyana: Sutika Paribhasha, Sutika Kaal, Sutika paricharya. Changes during sootika avastha (Sareerika & Manasika) Sutika Roga – Number of Sutika Roga, Sutika Jwara, Shotha and Makkala. Stanyavijnan- Sthanyadushti, Sthanyakshaya, Sthanyavridhi - their causes, clinical features and treatment Normal and abnormal Puerperium and its Management Emergency care in obstetrics Stana stanya – Pareeksha, Stanya sampat.	4
IX.	Artava Vyapad: Artava-kshaya vridhi, Ashtartavadushti lakshana chikitsa Asrigdara lakshana samprapti Chikitsa Menstrual disorders- Amenorrhoea, hypomenorrhoea, Oligomenorrhoea, Dysmenorrhoea, Abnormal uterine Bleeding	2
X.	Yoni Vyapad: Sankhya, Nidana, Lakshana, Upadrava evam Chikitsa Endometriosis, Fibroid uterus, Genital Prolapses, Retroverted Uterus, Pelvic infections, Cervical erosion, Pelvic Inflammatory Diseases	5
XI.	Vandhyatwa: Prakar, Nidana, Chikitsa Infertility – Causes, Types, Investigations and Management.	2
XII.	Rajonivritti: MENOPAUSE-changes during menopause, menopause syndrome, management.	1
XIII	Sukra Vijnan: Sukra vijnan – kshaya, vridhi, dushti hetu lakshana and chikitsa	1
XIV	Other Diseases:	2



	Yoni Kanda, Yoni Arsa, Granthi, Arbud,	
<b>XV.</b>	Stana Roga: General knowledge about Stanakeela- nidana lakshana chikitsa, Stanagranthi, Stanavidradhi, Stanashoph Mastitis, Breast abscess, Galactoceles -Etiopathology, clinical features, diagnosis, prognosis and complications	2 1/2
<b>XVI</b>	Sthanik Chikitsa: Snehana, Swedana, Uttarabasti, Pichu, Varti, Lepana, Dhupana, Dhavana, Dahana, Ksharakarma -. Practical knowledge of all these procedures along with indications, complications and management.	2
<b>XVII</b>	Bhastra Karma: Surgical procedures their Indications, Contraindications, cervical dilatation and curettage. Knowledge of indication and procedure of PAP smear. Endometrial biopsy and interpretation of the reports	2
<b>XVIII</b>	Aushadhi Parichaya: Istri roga Sambandhita Pramukha Aushadhyai Knowledge of important Commonly used Ayurvedic and Allopathic drugs used in Prasutitantra and Streeroga. Pharmacotherapeutics of allopathic drugs in obstetrics and Gynaecology.	2
<b>XIX</b>	Vyadhivinishchaya Upaya: Knowledge of indication and procedure of PAP smear. Endometrial biopsy and interpretation of the reports Laparoscopy, hysteroscopy, hysterosalpingography, USG, X-RAY, Colposcopy, Cervical Biopsy	1 1/2
<b>XX.</b>	Yantra Shastra Parichaya: General knowledge about instruments related to obstetrics and gynecology	1
<b>XXI</b>	Garbhanirodhaka Upaya: Contraception – definition, types, different methods. Sterilization procedures	2
<b>XXII</b>	Ethics and Laws related to Obstetrics and Gynecology Record keeping, ethical and medicolegal issues in Streeroga and prasutitantra	1



	PNDT Act, MTP Act	
XXI	National Programmes: IParivar Niyojana, Reproductive and Child Health Care, AIDS/HIV control Programme, MCH and importance of current National Programme	1

## STRI ROGA AND PRASUTI TANTRA

Course Module – 260 hrs  
4 Credits

Sl.No	Topics	Hours
I.	Stree-Shareera Kriya (Pathophysiology of Mnnstruation) and Garbhadhana(Conception): Influence of doshas and dhatus in menstrual cycle. Shukra in relation to females. Menarche, menopause, hormonal control of menstrual cycle. Cyclic changes in reproductive system, ritukala, (Scientific explanation of all). pre-conceptional nutrition, putreshtiyajnya (scientific explanation). Effect of psychology of woman, Functions of Panchamahabhoota in fetal development. Growth and development of fetus, fetal physiology with nutrition. Full term fetus, diameters, sutures etc. of fetal head, their importance during labour, Assessment of fetal maturity. Causes, diagnosis and prevention of congenital anomalies.	2
II.	Important Disorders during Pregnancy: Causes, clinical features, investigations, effect on mother, fetus and labour of following conditions and their antenatal, natal and postnatal management as well as preventive methods and effect of pregnancy on the disease. Toxaemias of pregnancy, Anaemia and Jaundice during pregnancy	2
III.	Garbhashayetara garbha (Ectopic Pregnancy), IUD and APH: Causes, Clinical features, diagnosis, complications preventive and curative treatment. Causes, Clinical features, diagnosis, complications, preventive and curative treatment of IUD (Intra uterine fetal death) and APH.	2

IV.	<p>Normal labour:</p> <p>Updated knowledge on Childhood diseases, diagnosis and management.</p> <p>Latest advancements and technologies in diagnostic techniques.</p> <p>Introduction to pediatric specialties such as preventive pediatrics, social pediatrics, and public health issues in pediatric practice.</p>	3
V.	<p>Abnormalities of Presentations , Mudha- garbha :</p> <p>Definition, causes and gaties (presentations/ positions) of labour or mudhagarbha, causes, diagnosis, mechanism, managemen (delivery) of mudha garbha due to vigunata of shiras (occipito posterior, face and brow presentation), feto-maternal complication of this presentation and garbha-sanga. Causes, diagnosis, mechanism, management</p>	3
VI.	<p>Abnormalities of labour or Mudha garbha:</p> <p>Feto-maternal complications of following gaties:</p> <p>Jaghana sanga (breech presentation). Ansa Sanga (Transverse or oblique lie). Jatharodaya (Cord prolapse or cord presentation), Unstable lie and compound presentations.</p> <p>Sammohana of gati of garbha i.e. causes diagnosis, complication and management of abnormal uterine action including inertia.</p>	2
VII.	<p>Abnormalities of labour or Mudha garbha &amp; Dirghikrita Prasava (Prolonged labour):</p> <p>Mudhagarbhata (obstruction in delivery) due to abnormalities of soft structures of reproductive system - causes, diagnosis complication and management of abnormalities of vulva, vagina, cervix (Yoni samvarana-nondilatation of cervix), uterus and pelvic organs/viscera.</p> <p>Mudhagarbha due to disease of pathika (fetus) i.e. macrosomia, congenital hydrocephalus, ascites, tumours, anencephaly- diagnosis and management. Causes, diagnosis management of prolonged labour.</p>	3
VIII.	<p>Abnormalities of third stage of labour and Injuries to the reproductive organs during labour:</p> <p>Causes, diagnosis, complication and management of retention of placenta, PPH, Shock, Shwasan sansthan antah shalyata (amniotic fluid embolism) and garbhashaya antarvartan</p>	5



	(inversion of uterus). Causes, Clinical features, complications (immediate and remote) and management of injury to vulva, perineum, vaginal canal, pelvic floor muscles, cervix of uterus, uterus (rupture), pelvic haematoma.	
	<p>Puerperal period, involution of reproductive organs etc. lochia, changes in breasts, blood count, pulse, temperature etc., reappearance of menstruation and ovulation and sutika – paricharya.</p> <p>Puerperal disorders including makkalla, minor ailments specially infection, fever, antarvidradhi (pyometra or pelvic abscess) cause, clinical of features, complications and treatment. Other disorders during puerperal period i.e. puerperal emergencies, urinary tract infections, breast and other disorders.</p>	2 1/2
	<p>Contraceptives &amp; RCH Programme:</p> <p>All the methods contraception with recent advances and surgical tube ligation, laparoscopic tube ligation</p> <p>Detailed description of RCH programmes, contribution of Ayurveda in this field</p>	2 1/2
	<p>Prasuti, Shalya (surgery in relation to obstetrics):</p> <p>Indications, methods and complications of prasava-prerana and prasava-samvardhana (induction and augmentation of labour)</p> <p>Circelage procedure for incompetent os of cervix (garbhashaya- griva-akshamata-hetu, vartula-bandha).</p> <p>Indications, pre-requisite, method, complications etc. of sandansha prasawa (forceps delivery) and ventous delivery, Indications, types, methods, complications and post-operative management of caesarean section (garbhashaya patana)</p>	5
	<p>Development (embryological) of female genital tract and Anomalies of reproductive system:</p> <p>Development of individual structure of urogenital system including each component, ovaries and inter-sex (hermaphrodite) as well as Shanda</p> <p>Congenital and subsequent anomalies of breast, vulva, vagina cervix, uterus, fallopian tubes, ovaries etc. with specific clinical feature their effect on reproductive physiology Counselling for incurable conditions.</p>	2 1/2



	prevention for subsequent anomalies and surgical treatment for correcting the important condition.	
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**ROGA NIDANA****Course Module – 1**

60 hrs  
4 Credits

S. No.	Topic	Hours
I.	Concept of Vyadhi & its Classification.	04
II.	Concept of Shatkriyakala and its application in different diseases.	04
III.	Doshagati, Vyadhimarga, Vyadhiavastha & its application.	08
IV.	Concept of Agni & Ama and its application along with recent advances and researches.	06
V.	Concept of Srotasa-its role in production of disease & its Clinical application.	04
VI.	Concept of Vyadhihetu & its classification.	06
VII.	Concept of Vyadhikshamtwa & Janapadodhwansa in Ayurved & its application in modern times with reference to immunity and epidemics.	06
VIII.	Rogapariksha (Nidanapanchaka) & its application in diagnosis of disease.	06
IX.	Different methods of Rogipariksha & its application and interpretation along with recent researches on the same.	08
X.	Krimivignyan in Ayurved along with different techniques to study the same.	08

**ROGA NIDANA****Course Module – 2**

4 Credits

60 hrs

S. No.	Topic	Hours
I	Concept of Nidan-Samprapti of diseases and its scientific interpretation along with recent researches on the same.	
a)	Diseases of Pranavaha srotas	04

	Diseases of Annavaha- Pureeshavaha Srotas	04
c)	Diseases of Rasavaha Srotas	04
d)	Diseases of Raktavaha Srotas	04
e)	Diseases of Manasavaha Srotas	04
f)	Diseases of Medovaha Srotas	03
g)	Diseases of Asthi- Majjavaha Srotas	06
h)	Diseases of Shukravaha Srotas	02
i)	Diseases of Mutra Srotas	04
j)	Diseases of Manovaha Srotas / Samjnavaha Srotas	03
k)	Concept of genetic diseases and Bijadosha	02
l)	Upasargajanya Vyadhi (Communicable diseases)	02
II	The interpretation of Various laboratory and ancillary investigations in reference to diseases and application in Ayurveda.	
a)	Hematology	03
b)	Biochemistry	03
c)	Serology	02
d)	Clinical Pathology	02
e)	Microbiology	02
f)	Radiology	04
g)	ECG	02

### Swasthavritta & Yoga

#### Course Module – 1

60 hrs  
4 Credits

**SUBJECT- SWASTHAVRITTA**

Sr.no	Topic	Hours
I.	<b>Concept of holistic health</b> 1. According to Ayurveda. 2. Spectrum of health, Iceberg phenomenon of diseases, dimensions of health.	8
II.	<b>Applied aspect of Dinacharya and Ritucharya</b> Probable Physiologic effect of Dinacharya procedures. Ritu pattern in various countries of the world and Changing environment and application of Ritucharya concept	8
III.	<b>Effect of ritus on health and preventive measures.</b> Ahara -. <ol style="list-style-type: none"> <li>Concepts of Diet Ayurveda perceptive and its applied aspect</li> <li>Staple diet of various States of India. Staple diet of various countries in correlation with their climate and its study from ayurved Aahar perceptive.</li> </ol>	8
IV.	<b>Concept of Rasayana, vajikarana and its role in swasthvratta</b> AcharaRasayana, Nityarasayana. Rasayana procedures for Swastha Vajeekarana for Swastha.	8
V.	<b>Vyadhikshamatva –</b> Modern and Ayurvedic concepts. Immunization programmes. Possible contribution of Ayurveda	8
VI.	<b>Concept of community health.</b> Ecology and community health Environment and community health Disposal of Wastes- Refuse, Sewage, bio medical waste management	10
VII.	<b>Concept of Epidemiology</b> Critical evaluation of Janapadodhwamsa. Epidemiology of different Communicable diseases in detail.	10



	Control of Epidemics	
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## Yoga

### Course module- 2

60 hrs  
4 Credits

Sl.No.	Topic	Hours
I		10

	<b>Foundations of Yoga</b> Historical Development of Yoga Eminent Yoga Institutions and their contributions  Schools of Yoga Raj Yoga and Hatha Yoga Karam Yoga ,Bhakti Yoga and Gyana Yoga  Essentials of yoga practices and – Prayer, Yogic Diet, Ideal place, discipline, dress, bathing, time and sequence for yogic practices.  Yogic Practices and their application –Asanas, Pranayamas, Mudras & Bandhas, Yogic Practices and their application - Shuddhi Kriyas, Relaxation and Meditation	
II	<b>Basic Introduction to Yoga Texts</b> Principal Vedas & Upanishads  Shad- Darshanas  Bhagavad Gita  Patanjali Yoga Sutra  Hatha Yoga Texts	10
III	<b>Applied Yoga</b> Essentials of yoga practices and – Prayer, Yogic Diet, Ideal place, discipline, dress, bathing, time and sequence for yogic practices.  Yogic Practices and their application –Asanas, Pranayamas, Mudras & Bandhas, Yogic Practices and their application - Shuddhi Kriyas, Relaxation and Meditation	10
IV	<b>Principles of Health and Therapy</b> Types of Disorders Disorders related to mind Disorders related to body Disorders related to SOUL Diagnostic methods in: Yoga Psychotherapy Intervention Techniques in: Yoga Psychotherapy	15
V	<b>Yoga Practical</b> <b>PRACTICAL ASPECTS OF THE FOLLOWING:</b> Prayers  Suryanamaskar, Asanas, Pranayama, Shuddhi Kriyas and	15

	Meditation.	
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## PANCHAKARMA

### Course module- 1

60 hrs  
4 Credits

Sl.No.	Topic	Hours
VI.	Shadvidha Upakarma: Details of applicability of Shadvidha upakrama in clinical practice	4
VII.	Poorva karma: Includes Pachana Deepana clinical aspects	2
VIII.	Rookshana: Theoretical and clinical approach	4



	Snehana: Theoretical and clinical approach	8
X.	Swedana: Theoretical and clinical approach	8
XI.	Paschat karma: Concepts and other relevant clinical practices including BMW	4
XII.	Practical's: Individual subtopics	30

## PANCHAKARMA

### Course module- 2

60 hrs  
4 Credits

Sl.No.	Topic	Hours
I.	Vamana: Poorva pradhana and paschat karma with clinical utility	5
II.	Virechana: Poorva pradhana and paschat karma with clinical utility	5
III.	Basti: Poorva pradhana and paschat karma with clinical utility	10
IV.	Nasya Poorva pradhana and paschat karma with clinical utility	5

V.	Raktamokshana Poorva pradhana and paschat karma with clinical utility	5
VI.	Practical's: Individual sub topics	30

## Shalya Tantra

### Course Module-1

60 hrs  
4 Credits

Sl no	Subject	hrs
I.	Applied aspect of Sushruta Sustrasthan in surgical practice. Review of relevant portions Brihatrayee and Laghutrayee. Understanding of surgical ethics and medicolegal issues, safe surgical practice. Review of articles published / available in AYUSH Research Portal, DHARA, PubMed, SCOPUS, Web of Science, Science Direct, Google Scholar, etc. and preparation of presentation of a seminar on a research theme related to selected topic	15hrs
II.	Recent development on modern surgical principles and practices related to laparoscopic surgery and plastic reconstructive and cosmetic surgery. Current diagnostic methods, tools and techniques in Shalya Tantra Research.	15hrs

	Concept of Essentials of Anushastra Karma, Kshara Karma, Rakta Mokshana. Application of Sasthi Upakarma in wound/ulcer management	15hrs
IV.	Recent advances in surgical techniques in the context of Samanya Shalya Vigyan.	15hrs

### Shalya Tantra

#### Course module -2

60 hrs  
4 Credits

Sl no	Subject	Credit hrs
I.	Standardization of methods and techniques relevant to the research topic. Pharmacodynamic and pharmaceutical understanding, quality control etc.	15hrs
II.	Basic understanding of Bhagan/fracture. Diseases of soft tissue injury. Clinical knowledge in understanding of basic radiology. Diagnostic modalities to asses bone healing. Knowledge regarding DCS, DHS, Arthroscopic surgery.	15hrs
III.	Basic knowledge on urinary disorders. Diagnostic modalities of Mutravaha Srotas. Recent advances in treatment of Urolithiasis and Basics of Uro-endoscopic procedures.	15hrs
IV.	Basic understanding of pharmacology of anaesthesia related drugs and critical care management. Basic knowledge of anaesthesia equipment and patient	15hrs



	monitoring.	
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## Kriya Sharira

### Course Module – 1

60 hrs  
4 Credits

Sl.No.	Topic	Hours
VI.	Basic principles of Ayurveda physiology: Dosha-Dhatu-Mala-Prakriti-Sara-Agni-Oja-Prana.	10
VII.	Basic theories in Ayurveda physiology: Samanya-Vishesha, Panchamahabhuta, Tridosha, Triguna, Dhatu-Poshana	5
VIII.	Physiology of different Srotamsi according to Ayurveda: Pranavaha, Annavaha, Udakavaha, Rasavaha, Raktavaha, Mamsavaha, Medavaha, Asthivaha, Majjavaha, Shukravaha, Mutravaha, Purishavaha, Svedavaha, Artavavaha etc.	15
IX.	Essentials of contemporary medical physiology: Homeostasis, Cell biology, Membrane biology, Gastrointestinal system, Nervous System, Immune System, Endocrine System, Excretion, Respiratory system, Hemopoietic System, Cardiovascular System, Musculoskeletal system, Male Reproductive System, Female Reproductive System	10
X.	Ayurvedic & Modern Clinical methods to assess Dosha, Dhatu, Mala, Agni, Oja & Srotas	12
XI.	Recent advances in tissue engineering and stem cell research	8

## **Kriya Sharira**

### Course module- 2

60 hrs  
4 Credits

Sl.No.	Topic	Hours
I.	<p><b>Development of tools to assess physiological parameters in Ayurveda (Prakriti-Sattva-Sara-Agni-Oja etc)</b></p> <ol style="list-style-type: none"> <li>1. Current trends of research in Kriya Sharir and Physiology. Essentials principles of converting subjective parameters into objective parameters: need, methods, application</li> <li>2. Recent efforts in developing the tools to assess Prakriti, Sara, Agni etc.</li> <li>3. Good reporting practices of research involving Prakriti and other Ayurveda Parameters.</li> <li>4. Essential principles of converting subjective parameters into objective parameters: need, methods, application</li> <li>5. Types of tools: Self rating tools, Rating by physician, Based on single textbook, Based on multiple text book.</li> <li>6. Different steps of developing and validating a tool.</li> </ol>	15
II.	<p><b>Recent advances in research related to Ayurveda physiology (Ayurgenomics, Chronobiology, Systems biology etc.)</b></p>	10

	<ol style="list-style-type: none"> <li>1. Recent efforts of applying genomic tools in Prakriti-related research and possible role of Prakriti in advancing personalized medicine.</li> <li>2. Possible role of 'Systems thinking' in Ayurveda research</li> <li>3. Possible role of gut microbiota in mediating the effects of Ayurveda interventions</li> <li>4. Possible role of Chronobiology in understanding the Dosha-biorhythms and timing of different interventions</li> <li>5. Possible role of stem cell biology in Ayurveda research</li> <li>6. Recent studies on physiological basis of therapeutic interventions of Ayurveda.</li> </ol>	
III.	<b>Exercise physiology in Ayurveda and sports physiology</b> <ol style="list-style-type: none"> <li>1. The description of Vyayama in Ayurveda and grading of Vyayama</li> <li>2. Physiological effects and therapeutic role of Vyayama</li> <li>3. Effects of over-indulgence in Vyayama</li> <li>4. Essentials of current trends in exercise physiology and sports physiology</li> </ol>	10
IV.	<b>Sleep Physiology</b> <ol style="list-style-type: none"> <li>1. Definition &amp; physiological mechanism of Nidra according to Ayurveda</li> <li>2. Sleep Physiology</li> <li>3. Objective parameters to assess the Quality of Sleep</li> <li>4. Polysomnography</li> <li>5. Sleep lab and related instruments / equipment</li> <li>6. Mode of action of Ayurveda &amp; Conventional drugs acting to enhance and improve Sleep</li> <li>7. Physiology of Swapna / dreams</li> </ol>	10
V.	<b>Physiological aspects of Mana:</b> <ol style="list-style-type: none"> <li>1. Mana, Mano artha, Mano Vishaya, mano guna - karya, sthana etc</li> <li>2. The concept of mind – Id, Ego, Super ego</li> <li>3. Cognitive, receptive and other functions of brain vis– a – vis</li> </ol>	10



	<p>Mana</p> <p>4. Concept of Dhi, Dhriti, Smriti, Buddhi</p> <p>5. Medhya Rasayana and its modus operandi</p>	
VI.	<p><b>Ayurvedic understanding of Atma:</b></p> <p>1. Characteristics of Atma, Paramatma – Jivatma</p> <p>2. Philosophical understanding of Atma in various Darshana Shastras</p>	5

## RASA SHASTRA

60 hrs  
4 Credits

### Course module- 1

Sr.no	Topic	Hrs
1.	Theory and practice of fundamental principles of Rasashastra & Bhaishajya Kalpana (Shodhana, Bhavana, Marana, Jarana, Samyoga, Kala, Samskara etc.)	15
2	Pharmaceutical processing of different categories of Rasa Yoga (Kharaliya, Parpati, Kupipakwa and Pottali) along with relevant classical and contemporary tools and techniques.	6
3	Pharmaceutical processing and methods of preparation of different primary and secondary formulations (Panchavidha Kashaya Kalpana, Churna, vati, Avaleha, Asava Arishta etc.) along with relevant classical and contemporary tools and techniques.	15
4	Latest advancements and technologies adopted for the preparation of Tablets, capsules, Avaleha, Asava Arishta, Sneha Kalpana, external applications (Ayurvedic creams/ ointments/gel/liniments/facewash)	10
5	Miscellaneous: Herbal extracts, Nutraceutical and functional foods (Pathya Kalpana), health drinks, Eye drops, herbal biscuits, soaps, jams and candy.	6
6	Methodology for developing SMP, SOP, standardization and Quality control techniques of classical and contemporary Rasa and	4

	Bhaishajya formulations	
7	Stability, labeling and export guidelines (national and international)	4

## RASA SHASTRA

60 hrs  
4 Credits

### Course module- 2

Sr.no	Topic	Hrs
1	Experimental studies applicable in Rasa Shastra/ Bhaishajya Kalpana, Formation and Functions of Institutional Animal Ethical Committee, Formation and Functions of Institutional Human Ethical Committee, LD 50 study, D&C, OECD and other national and International guidelines for acute and chronic toxicity, CPCSEA guidelines.	15
2	Clinical study applicable in Rasa Shastra/ Bhaishajya Kalpana	2
3	Statistical standardization applicable in Rasa Shastra/ Bhaishajya Kalpana	2
4	Recent techniques for Identification and authentication of raw materials used in the preparation of Kashtaushadhi/ Rasaushadhi.	8
5	<b>Laws and Acts governing the pharmaceutical production and marketing of Ayurveda formulations</b>	
	The Drug & Cosmetic Act 1940 -relevant chapters and sections dealing with Ayurveda	7
	Laws pertaining to Drugs and Magic remedies (Objectionable Advertisement) Act - 1954.	2
	Prevention of Food Adulteration (PFA) act.	2
	Food Standards and Safety Act - 2006	2
	Laws pertaining to Narcotics	2
	Factory and Pharmacy Acts	2
	Consumer Protection Act -1986	2
6	<b>Pharmaco-vigilance: importance and modes of its implementation:</b> Pharmacovigilance definition, Implementation, Pharmacovigilance centers, Adverse Drug Reaction, Adverse Drug Event, Side effects, How to report ADR Ayurvedic concept of Pharmacovigilance, Benefits of implementation of Pharmacovigilance of Ayurvedic drugs, Difficulties in	6



	implementation of Pharmacovigilance of Ayurvedic drugs, Role of Pharmacovigilance centers in educating general public regarding expected side effects of Ayurvedic formulations.	
7	Management of pharmacy, store and inventory management, Good Manufacturing Practices related to Ayurvedic drug industry, Pharmaceutical Marketing, product release and withdrawals, Hospital, Dispensing and Community pharmacy	7
8	Patenting and Intellectual Property Rights, National and International Pharmacopoeias and policies related to drug control.	3

## Shalaky Tantra

60 hrs  
4 Credits

### Course Module 1

Sl. No.	Topics	hours
01	• Knowledge, application of Ashtavidha Shastrakarma with special	15

	reference to Shalakya Tantra	
	<ul style="list-style-type: none"> <li>Application of Panchakarma chikitsa in Urdhvajatrugata Vikaras</li> </ul>	
02	<ul style="list-style-type: none"> <li>Applied knowledge of various therapeutic procedures used in Netra rogas like Tarpana, Putapaka, Anjana, Ashchyotana, Seka, Vidalaka, Pindi etc.</li> <li>Applied knowledge of various therapeutic procedures used in Karna-Nasa-Mukha, Danta and Shirorogas, like Karnaprakshalana, Karna dhoopana, Karnapichu, Karnapoorana, Nasaprakshalana, Nasapichu, Kavala, Gandusha, Pratisarana, Dhoomapana, Shiroabhyanga, Shiropichu, Shirodhara, Shirobasti etc.</li> </ul>	15
03	<ul style="list-style-type: none"> <li>Study of essential modern drugs, anaesthetic agents of diagnostic and surgical importance.</li> <li>Imaging in ENT and Head disorders, detailed knowledge of LASERS, radiotherapy, chemotherapy and other recently advanced treatment modalities like speech therapy, cochlear implant, rehabilitation of the deaf and mute, etc. Related to ear – nose – throat – and head disorders</li> </ul>	15
04	<ul style="list-style-type: none"> <li>Clinical application of various aids and techniques viz. Slit lamp examination, Pachymetry, Direct and Indirect Ophthalmoscopy; Gonioscopy, Perimetry, A scan, B scan, FFA (Fundus Fluorescein Angiography), OCT (Optical Coherence Tomography) VEP, ERG etc.</li> <li>Detailed applied knowledge of recent advanced diagnostic and therapeutic techniques and equipments (Yantra and Shastra) used for Shiro – Nasa- Karna- Kantha (ENT) Mukha and Shira disorders.</li> </ul>	15

## Shalakya Tantra

60 hrs  
4 Credits

### Course Module 2

Sl No	Topics	hours
01	<ul style="list-style-type: none"> <li>General introduction of four treatment procedures like Bheshaj-Kshar – Agni Shastra and Raktavsechana with their applied aspects in ear nose throat and shiro disorders.</li> <li>Determination and importance of the verse 'Nasa Hi Shiraso Dvaram'.</li> <li>Knowledge about Ocular/ENT/Oro dental manifestations of systemic disorders and their management according to Ayurveda and conventional system of medicine</li> </ul>	15
02	<ul style="list-style-type: none"> <li>Strength of Ayurveda Ophthalmology, ENT and Dentistry in health care services.</li> <li>Knowledge of preventive and community ophthalmology</li> <li>WHO and National Programme for control of blindness, mal nutritional ocular disorders and role of Ayurveda in these Programmes.</li> <li>Knowledge of National Programme for deafness and tinnitus and role of Ayurveda in these Programmes</li> <li>Knowledge of National Programme for prevention of oral cancer and role of Ayurveda in these Programmes</li> </ul>	15
03	<ul style="list-style-type: none"> <li>Concepts of environmental hazards, and life style disorders of Eye, ENT and Oro dental disorders and management, prevention based on Ayurveda /conventional medical practices</li> <li>Review of medico legal aspects and safe practice in Shalakya(Ophthalmology, ENT, Oro dental disorders)</li> </ul>	15
04	<ul style="list-style-type: none"> <li>Importance of Yogic kriyas, Yogasana and pranayama in Shalakya tantra.</li> <li>Updated knowledge and research updates on Cataract, Dry Eye Syndrome, Glaucoma, Retinitis Pigmentosa, Diabetic Retinopathy, Deafness, CSOM, Allergic Rhinitis etc.</li> </ul>	15



## DRAVYAGUNA

### Course Module – 1

60 hrs  
4 Credits

Sl.No	Topic	Hours
XII.9.	Review of related research theme from Ancient period, Medieval and modern period. The Seminar will be presented after comprehensive review of the related research theme before the D.R.C/R.P.C.	15
10.	Aim of Research Plan Proposal, objectives of the research, introduction, methodology, inclusion and exclusion criteria, observation probable result in accordance with the Research Plan Proposal.	
XIII.2.	Study of Dravya and its Panchabhautic composition, explanation of Dravya and Aushadha and utilization of Aushadha and Ahara Dravya in Healthy and diseased state. Ancient method in Dravyaguna research, Modern method of Dravyaguna research.	15
13.	Tools and modern techniques in dravya (drugs substances) required in research.	
14.	Ekamulika dravya prयोग, Bhaishjya Prayog Siddhant (Principles of drug administration)	
XIV.10.	Ancient method of standardization and its corroboration with modern methods relevant with the research topic selected by the research scholars.	10
11.	Definition of Dravyaguna, theory of Dravyaguna-Sapta Padarthas, principles in Dravya research, in guna research (Rasa- Guna – Vipaka – Virya – Karma.).	
XV.11.	Identification of Aushadha Dravya (drugs substances) as described in classical texts of Ayurveds. Modern methods of identification of plant drugs of selective ten drugs allotted to the students.	10
12.	International Code of Botanical Nomenclature (ICBN) and the International Code of Nomenclature for Cultivated Plants (ICNCP), Key identifying characters of Family and species of medicinal plants used in Ayurveda with examples	
XVI.	Standardization of five allotted plant drugs, safety study with quality assurance to obtain efficacy.	10
8.	Definition of traditional system of medicine as defined by World	

	Health Organization (WHO), knowledge of selected ten medicinal plants used in other traditional system of medicine.	
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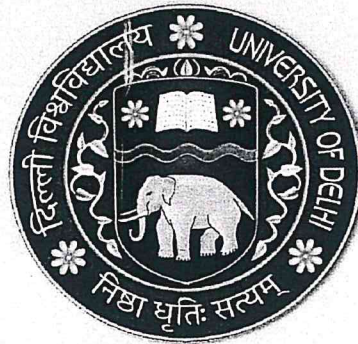
**Course module- 2**

60 hrs  
4 Credits

Sl.No	Topic	Hours
XVIII.	Knowledge of drugs and cosmetic act 1940, regulation on imposed ASU drugs under drugs and cosmetic act 1940 example- Drugs and Magic Remedies Act, Biodiversity act etc.	10
XVIII.	Research in Manuscripts of Nighantu. I. 2. Knowledge of ancient, medieval and recent Nighantus 3. Knowledge of Ayurvedic Pharmacopoea and recent databases by AYUSH, ICMR etc.	10
XIX.	1. Ayurvedic methods of shodhana / purification of drugs and recent researches on it. 2. Scientific basis of use of media in shodhana of visa dravya. 3. Scientific basis of use of Visha dravya, as medicine, after their Shodhana process	10
XX.	1. Knowledge of Pharmaco-vigilance, clinical pharmacology, clinical drug research as per GCP guide lines, Pharmacogenomics 2. General awareness on poshaka ahara (Nutraceuticals), Varnya (cosmoceuticals), food additives, Excipients, plant extracts, colors, flavours and preservatives	15
XXI.	1. Study of morphological and microscopic characteristics of adulterant/alternate / substitute plant drugs 2. Analytical methods- Thin Layer Chromatography (TLC), High Performance Thin Layer Chromatography (HPTLC), High Performance Liquid Chromatography (HPLC) and Gas Liquid Chromatography (GLC)	15



**UNIVERSITY OF DELHI**  
**FACULTY OF AYURVEDA & UNANI**



**BULLETIN OF INFORMATION FOR**  
**ADMISSION TO**  
**Ph.D. PROGRAMME IN AYURVEDA**  
**(2021-2022)**



<b>Office:</b>	<b>Faculty of Ayurveda &amp; Unani Medicines</b> 6 <sup>th</sup> Floor, Vallabhbhai Patel Chest Institute Building, University of Delhi (North Campus), Delhi-110007  And  <b>All India Institute of Ayurveda (AIIA)</b> Gautampuri, Sarita Vihar, New Delhi - 110 076
<b>Phone:</b>	Faculty of Ayurveda & Unani: 011 27662764, 27662208  AIIA – 01126950401/402 (Extn. – 1004)
<b>Website(s):</b>	<b>www.fmssc.ac.in, www.aiia.gov.in and www.du.ac.in</b>
<b>E-mail:</b>	drfmssc@gmail.com & phd.ayurveda@aiia.gov.in

### Read Carefully

#### Important

An applicant desirous of seeking admission to Ph.D. Programme (Ayurveda) of the Faculty of Ayurveda and Unani, University of Delhi for academic session 2021-2022 must read the contents of this Bulletin of Information (BoI) carefully.

Changes made in the Programme after the release of this BoI shall become effective with immediate effect unless stated otherwise.

University/Faculty reserves the rights to revise, amend, update or delete any part of this BoI without giving any prior notice. Any change so made shall be updated on the website of the Faculty/AIIA/DU (www.fmssc.ac.in , www.aiia.gov.in, www.du.ac.in).

Applicants are advised to regularly visit the said websites for any updates regarding any information related to Ph.D. Programme.

**FOREIGN STUDENTS**

The University has a designated Foreign Students' Advisor Office to handle all enquiries regarding rules and responsibilities for admitting Foreign Students. All foreign national applicants should approach:

**FOREIGN STUDENTS' REGISTRY OFFICE**

Room No. 11, First Floor, Conference Centre,

University of Delhi, Delhi-110007

Phone No: 011-27666756,

E-mail : fsr\_du@yahoo.com, fsr@du.ac.in

Dealing Timings: 09.30 am - 1 pm & 2.00 pm - 5.00 pm

(Office of Foreign Students' Registry will remain closed on Saturdays, Sundays and all Public/Gazette Holidays)

**Disclaimer:**

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The University of Delhi disclaims any liability towards any individual for any loss or damage caused to him/her arising out of any action taken on the basis of this information, which may be due to inadvertent omissions, clerical errors or for any other reason whatsoever.

The University reserves the right to suitably modify, update or delete any part of the Bulletin without any prior notice.

**TELEPHONES**

Dean / Chairperson, BRS Faculty of Ayurveda & Unani	011-27662764
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**IMPORTANT TELEPHONE NUMBERS HEAD OF THE INSTITUTIONS**

Director All India Institute of Ayurveda (AIIA)	91-011-26950401/402 Extn. - 1004
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### About the All India Institute of Ayurveda (AIIA), New Delhi:

The All India Institute of Ayurveda has been conceived as an Apex Institute for Ayurveda as an autonomous Institution under Ministry of AYUSH, Govt. of India. It aims at bringing a synergy between Traditional Wisdom of Ayurveda and Modern tools and technology. The institute offers postgraduate and doctoral courses in various disciplines of Ayurveda and focus on fundamental research of Ayurveda, drug development, standardization, quality control, safety evaluation and scientific validation of Ayurveda system. Institute has a 200 bed referral hospital for facilitating clinical research. The Institute has 12 Departments and 25 specialty clinics with interdisciplinary research laboratories wherein scholars have access for Post Graduate & Doctoral programs every year. The hospital is equipped with state of the art modern diagnostic tools and techniques which is used in teaching, training and research. The patient care is done primarily through Ayurveda of tertiary level. This institute also have an international collaborative centre for global promotion and research in Ayurveda.

AIIA provides state-of-the art Ayurvedic treatment facilities where visiting diplomats, delegates and other interested foreign visitors along with common public could be taken to provide them a glimpse or first-hand experience of classical Ayurveda therapies, education and scientific research. AIIA is instrumental in attracting foreign patients for Ayurvedic treatment of such chronic health problems, which do not find solutions in other medical systems.

AIIA functions as a centre of excellence of Ayurveda that cater not only to R&D and standardization needs of Ayurveda products but also sub-serve the purpose of imparting tertiary health care and interdisciplinary training & research in different disciplines of Ayurveda.

**VISION:** To be an Outstanding Center of Excellence for Ayurveda Tertiary Health Care and set highest standards of Education, Research and Patient Care through Ayurveda for the benefit of humanity.

**MISSION:** Our mission is to be a role model by setting up benchmarks for Postgraduate and Post-Doctoral Education in Ayurveda, bringing Ayurveda Health care of highest standards within the reach of every individual at National and International Level and to undertake interdisciplinary research focused on validation of Ancient Wisdom of Ayurveda using modern tools and technology.





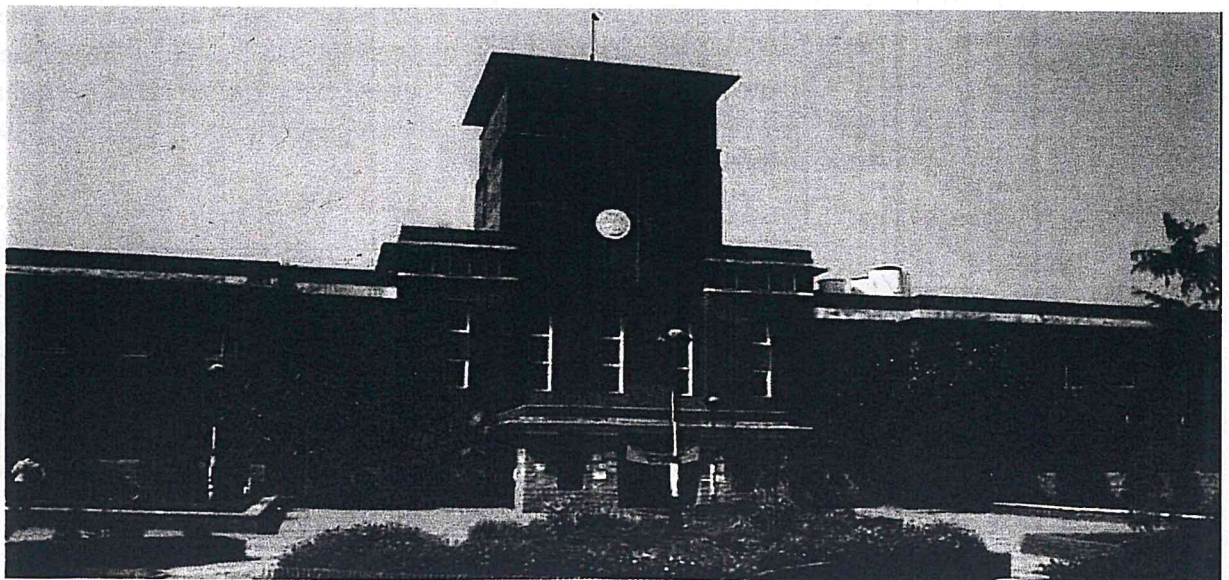
For any updated information/notification regarding Ph.D. admissions, kindly visit the following websites: [www.fmsh.ac.in](http://www.fmsh.ac.in), [www.aiia.gov.in](http://www.aiia.gov.in) and [www.du.ac.in](http://www.du.ac.in).

The candidates seeking admission to the Ph.D. Programme (Ayurveda) are required to register online

The admission of the candidates to Ph.D. Programme (Ayurveda) will be governed by *Ordinance VI* of the University of Delhi as amended from time to time

### Research at the University of Delhi

The University of Delhi revels in having the highest standards of research in the country with eminent research faculty to match the best in the world. Its strong commitment to excellence in research is reflected by perusal of its funding from extramural sources. Outstanding research work has been rewarded with international and national recognition and awards. University publications are published in the best research journals with the highest impact factors. The research faculty is the recipient of the most prestigious research fellowships across the world. The University awards more than 400 doctorate degrees every year. The University has more than 50 partner universities across the world with which active collaboration for research and student/faculty exchange is strongly encouraged. A recent report on the research based survey (2009-14), compiled by the Department of Science and Technology, Govt. of India has also highlighted the significant achievements of University of Delhi in the field of research in Science and Technology.



## 1. Information related to the Admission Process

### 1.1. Schedule of Ph.D. Admission

Particulars	Dated
Start Date for Online Registration	10 <sup>th</sup> January, 2021
Closing Date for Online Registration	25 <sup>th</sup> January, 2021
Tentative Dates for the conduct of the Entrance Examinations*	7 <sup>th</sup> February, 2021
Uploading of Answer Key	7 <sup>th</sup> February, 2021
Submission of Grievances on the Portal (All the grievances relating to question booklet must be submitted at phd.ayurveda@aiia.gov.in)	7 <sup>th</sup> - 8 <sup>th</sup> February, 2021
Announcement of Results	8 <sup>th</sup> February, 2021
Meeting of Respective DRC'S for conducting Interviews	9 <sup>th</sup> February, 2021
Ph.D. Course Work Commencement	1 <sup>st</sup> March, 2021

\* Any change in above schedule shall be notified on the website of Faculty of Ayurveda and Unani / AIIA, New Delhi



## 1.2. Admission procedure

### 1.2.1 Online Registration

- i. The candidates seeking admission to the Ph.D. Programme are required to register online.
- ii. **The admission of the candidates for the Ph.D. Programme will be governed by the Ordinance VI of the University of Delhi [see Annexure-VI: Ordinance VI Procedure for Award of Doctor of Philosophy (Ph.D.) Degree]**
- iii. Admission to Ph.D. Programme is through entrance examination, followed by an interview. Applicants seeking admission in Ph.D. Programme are required to read "**Section C (Procedure for Admission)**" of **Ordinance VI [Annexure-VI: Ordinance VI Procedure for Award of Doctor of Philosophy (Ph.D.) Degree]**. The applicants are required to read Section C-3 (Exemption from appearing in entrance examination for admission to Ph.D. Programme in Ayurveda). However, Interview is mandatory for all eligible applicants.
- iv. A list of subjects in which Ph.D. Programme will be offered by Faculty of Ayurveda & Unani for admission is given at **Annexure-I**.
- v. There is a Web Portal for the centralized registration of candidates seeking admission to the Ph.D. Programme in the Faculty of Ayurveda & Unani, University of Delhi. Online registration details are available on the following Ph.D. Programme portal:

**<http://admission.du.ac.in>, [www.aiia.gov.in](http://www.aiia.gov.in) and [www.fmssc.ac.in](http://www.fmssc.ac.in)**

- vi. As a first time user, candidate shall create the login details by clicking on the "Register Here" under the "New User?" option on this webpage.
  - In the "Login details", candidate shall provide the email-id, which would be used for any future communication with the University for Admission Purpose.
  - Candidate shall then create a password (of maximum six characters) for online registration purpose. This password does not need to be same as candidate's email account password, which is used to access one's email account.
  - Candidate shall also provide a valid mobile phone number (10 digit number without any prefix).
  - Applicant's details (as given in candidate's certificates) should also be furnished.
  - Please verify that all the details given in the form are correct. This information will be used during the entire admission process. No change/modification is allowed. Please be careful in filling up the required information in all aspects.
- vii. On completion of this process a verification email will be sent on candidate's email account with a confirmation link, which a candidate shall have to click to confirm the registration. Please note that this email account is same as the one provided by the Candidate earlier.
- viii. Applicant shall now log on to the Ph.D. admission portal using "registered email-id" and created "password" to fill the online registration form. The same login information is used every time to login to the applicant's account.
- ix. Applicant shall be asked to upload the following items:

- i. Passport size photograph of the applicant (maximum size: 50kb; Formats: JPG/ JPEG/ PNG)
  - ii. Scanned signature of the applicant (maximum size: 50kb; Formats: JPG/ JPEG/ PNG)
  - iii. Self-attested copy of Identity Proof of the applicant (maximum size: 50kb, Formats: JPG/ JPEG/ PNG). Identity proof can be any one of the following documents: Aadhaar Card, Driving License, PAN card, Voter's identity card, Passport or College identity card.
  - iv. Self-attested copy of Class 10<sup>th</sup> Certificate (maximum size: 100kb, Formats: JPG/ JPEG/ PNG/ PDF).
  - v. Self-attested copy of Caste Certificate, if applicable (maximum size: 100kb, Formats: JPG/ JPEG/ PNG/ PDF).
- x. Applicant shall be asked to provide the Identity proof with an Identity Proof number. Identity proof can be any one of the following documents: Aadhaar Card, Driving License, PAN card, Voter's identity card, Passport or College identity card.
- xi. Applicant shall also fill the postal address details.
- xii. Once all the above-mentioned files are uploaded, applicant can proceed with "Submit My Profile". Applicant can also update the uploaded files.
- xiii. Applicant shall now choose the Ph.D. Programme for which the applicant seeks to apply. Major subjects/areas of research offered by various Departments are listed in *Annexure-VII*.
- xiv. Once the option of Ph.D. is filled, the applicant can proceed with the online registration by clicking "Apply". Applicant shall provide educational details.

### **1.2.2 Section**

- xv. Applicant shall click the "Save Application" and proceed to check the details filled in the form.
- xvi. There are three options available at the bottom of the page, which are: 'Click to Modify Application', 'Pay Fee' & 'My Home'. After providing complete information, applicant shall proceed with the fee payment by clicking 'Pay Fee'.
- xvii. Candidate's application submission process shall be completed only **after payment of the online registration fee.**
- xviii. Step-by-step guide for filling up the online registration form is provided on the Ph.D. admission portal under "Ph.D. Programme Admission 2020-21: Help" link.

**After submission of the registration form, corrections, additions, deletions etc. in any manner shall not be allowed. The candidates are, therefore advised to fill their forms carefully.**



### 1.2.3 Centre for the Entrance Examination:

- a) Entrance examination shall be conducted at the Centre located/notified at All India Institute of Ayurveda (AIIA), Sarita Vihar, Gautampuri, New Delhi - 110 076
- b) The Faculty of Ayurveda & Unani, University of Delhi reserves the right to change/cancel the Centre of examination without assigning any reason.

### 1.2.4 Seat availability

- a) The seat distribution for Ph.D. Programme in various subjects is given in **Annexure-II**. The reservation to the prescribed extent shall apply in compliance with the rules notified by the University of Delhi.

### 1.2.5. Registration fee

- a) Registration fee (non-refundable) for the entrance examination is as under:

SC/ST and Persons with Disabilities (PwD)	2500/-
For all other categories (Unreserved, OBC etc.)	3000/-

- b) Registration fee has to be paid during online registration process through one of the available online payment options.
- c) Please note that the online registration process shall be treated as completed only after realization of the online registration fee.
- d) Registration fee will not be refunded/adjusted/charged back in any circumstances.

### 1.3. Entrance Examination

- a. There shall be a common entrance examination for Ph.D. Programme of various subjects.
- b. The Admit Card for the entrance examination shall be available at online registration account or registered email address of the candidate
- c. Candidate shall take the print-out of the Admit Card. The print quality of the Admit Card should be good enough for verification.
- d. Candidate shall carry the following documents to the Examination Centre for verification:
  - i. Printed copy of the Admit Card.
  - ii. One proof of identity bearing candidate's photograph, for verification etc. such as Aadhaar Card, Driving License, PAN card, Voter's identity card, Passport or College identity card.
- e. The duration of entrance examination shall be **90 minutes**. The question paper shall be of Multiple Choice Question (MCQ) type. for Scheme of Entrance Examination and syllabus please refer: **Annexure V**.



#### 1.4. Interview

- a) The admission to the Programme is through an Entrance Test and Interview.
- b) The list of shortlisted candidates and dates of the interview shall be notified on the website of Faculty/AIIA i.e. [www.fmssc.ac.in](http://www.fmssc.ac.in) & [www.aiia.gov.in](http://www.aiia.gov.in).

#### 1.5. Intimation Regarding Admission

- a) Result of the Entrance Examination and Interview shall be notified on the website of the Faculty/AIIA i.e. [www.fmssc.ac.in/www.aiia.gov.in](http://www.fmssc.ac.in/www.aiia.gov.in).
- b) The shortlisted candidates will be required to produce all the required documents in original at the time of interview.
- c) Information regarding subsequent lists of selected candidates, if any, shall be notified on the website of Faculty/AIIA i.e. [www.fmssc.ac.in/www.aiia.gov.in](http://www.fmssc.ac.in/www.aiia.gov.in).
- d) For all the updates related to Ph.D. admissions, visit website of Faculty/AIIA i.e. [www.fmssc.ac.in/www.aiia.gov.in](http://www.fmssc.ac.in/www.aiia.gov.in).

### 2. Eligibility Criteria

#### 2.1. Qualifying examination:

The eligibility criteria for qualifying examination for Ph.D. Programme is given in Annexure-III.

#### 2.2. Equivalence Criteria

The Departments/Colleges of the University may advise the candidates concerned, wherever necessary, to get recognition/equivalence of their degrees/ diplomas/certificates authenticated from the Association of Indian Universities/University Grants Commission/AICTE/Council of Boards of School Education in India (COBSE) on his own for the purpose of admission in the Department/College. Further, the cases of equivalence of degrees / certificates / diploma may then be put up before the University Authorities for further consideration and confirmation. However, the Certificates/ Diplomas/ Degrees already recognized/equated by the University may not be referred for further verification.

#### 2.3. Relaxations/Concessions

- 2.3.1 The candidates belonging to the Scheduled Caste, Scheduled Tribe and PwD shall be charged entrance examination fee at as per the prescribed concessional rates.
- 2.3.2. The candidates belonging to the Scheduled Caste (SC), Scheduled Tribe (ST), Other Backward Classes (Non-Creamy layer as per Central list) and Persons with Physical Disability (PwD) shall have 5% relaxation in the minimum marks requirement in the eligibility criterion for admission to Ph.D. Programmes (as per the Ordinance VI of University of Delhi).

## 2.4. Reservations:

2.4.1 Reservation of Scheduled Caste (SC), Scheduled Tribe (ST), Other Backward Classes (OBC) to the prescribed extent shall apply in compliance with the rules notified by the University.

2.4.2 Supernumerary seats shall be available for **Persons with Disabilities (PwD)** and **Foreign Nationals** as per the University rules.

- a) Permission to students to apply under Unreserved/SC/ST/OBC Category as well as PwD Category etc.:
- b) The candidates applying for admission to various courses shall be permitted to apply simultaneously under Gen/SC/ST/OBC Category as well as Person with Disability (PwD) and other categories for which reservations/concession is admissible.

## 3. Registration /Admission of foreign nationals

3.1. The foreign nationals seeking admission in the University/its colleges shall have to get them registered with the Foreign Students Registry (FSR) in compliance with the schedule notified by the FSR. No Foreign students will be admitted directly by the Department/Colleges. The website link is: <http://fsr.du.ac.in>

3.2. Foreign nationals are exempted from appearing in Entrance Test conducted by the Departments for admission. Foreign nationals who are stationed in India and have passed last examination from Board / University in India shall also be exempted from appearing in entrance test conducted by the College/Department in all Courses.

## 4. General Information

4.1. Faculty reserves the right not to fill up the vacant seats of the Ph.D. programme in case of non-availability of suitable candidate.

4.2. Admission of the candidates for Ph.D. programme is based on their suitability to specific specializations and also subject to fulfilling all other conditions laid down in the respective Ordinances of the University of Delhi applicable to Faculty of Ayurveda & Unani, University of Delhi.

4.3 The list of supervisors to guide Ph.D. Course in Various subjects is given in **Annexure IV**.

4.4. The list of allied subjects as per **Annexure-III: Eligibility conditions for admission to Ph.D. Programme** is not exhaustive. The applicants may visit the website of the Faculty: [www.fmssc.ac.in](http://www.fmssc.ac.in) & [www.aiia.gov.in](http://www.aiia.gov.in) or contact the nodal officers, Faculty of Ayurveda & Unani, University of Delhi.

4.5. The merit list for the unreserved category seats will comprise of all the candidates in the order of merit including SC/ST/OBC candidates if they come in the unreserved



merit. A SC/ST/OBC candidate who figures in the unreserved merit list is entitled to be considered for admission under the unreserved category. Admission to open category seats will be strictly in the order of merit without excluding SC/ST/OBC candidates.

- 4.6. The Departments shall get the relevant certificates submitted for availing the benefit of reservation verified from the respective issuing authorities.
- 4.7. The Research Proposal for Ph.D. Programme shall be submitted by the provisionally registered scholars within three months after registration.
- 4.8. The candidates who are 'In-Service' shall submit 'No Objection Certificate' from their respective Department/institution before registering in Ph.D. Programme.
- 4.9. Foreign nationals may visit Section 3 for details related with their registration/admission process.
- 4.10. Please note that permission to appear in the entrance examination is subject to the candidate's fulfilling the minimum eligibility requirements prescribed for applying to the concerned Programme of study. In case a candidate does not meet the minimum eligibility criteria prescribed for applying to the concerned Programme and appears in the entrance examination, it is done at the candidate's own risk and cost, and if at any stage, it is found that the minimum eligibility requirements are not fulfilled, the admission, if granted, the same shall be cancelled *ipso facto*.

#### 5.1 Ragging (Ordinance XV-C):-

- (i) Ragging in any form is strictly prohibited, within the premises of College/Department or Institution and any part of Delhi University system as well as on public transport.
- (ii) Any individual or collective act or practice of ragging constitutes gross discipline and shall be dealt with under this Ordinance.
- (iii) Ragging for the purpose of this Ordinance, ordinarily means any act, conduct or practice by which dominant power or status of senior students is brought to bear on students freshly enrolled or students who are in any way considered junior or inferior by other students and includes individual or collective acts or practices which-
  - (a) Involve physical assault or threat to use of physical force;
  - (b) Violate the status, dignity and honour of women students;
  - (c) Violate the status, dignity and honour of students belonging to the scheduled castes and tribes;
  - (d) Expose students to ridicule and contempt and affect their self-esteem;
  - (e) Entail verbal abuse and aggression, indecent gestures and obscene behaviour.
- (iv) The Principal of a College, the Head of the Department or an Institution, the authorities of College, of University Hostel or Halls of Residence shall take immediate action on any information of the occurrence of ragging.



- (v) Notwithstanding anything in Clause (4) above, the Proctor may also suo moto enquire into any incidence of ragging and make a report to the Vice-Chancellor of the identity of those who have engaged in ragging and the nature of the incident.
- (vi) The Proctor may also submit an initial report establishing the identity of the perpetrators of ragging and the nature of the ragging incident.
- (vii) If the Principal of a College or Head of the Department or Institution or the Proctor is satisfied that for some reason, to be recorded in writing, it is not reasonably practical to hold such an enquiry, he/she may so advise the Vice-Chancellor accordingly.
- (viii) When the Vice-Chancellor is satisfied that it is not expedient to hold such an enquiry, his/her decision shall be final.
- (ix) On the receipt of a report under Clause (5) or (6) or a determination by the relevant authority under Clause (7) disclosing the occurrence of ragging incidents described in Clause 3(a), (b) and (c) the Vice-Chancellor shall direct or order rustication of a student or students for a specific number of years.
- (x) The Vice-Chancellor may in other cases of ragging order or direct that any student or students be expelled or be not for a stated period, admitted to a course of student in a college, departmental examination for one or more years or that the results of the students or students concerned in the examination or examinations in which they appeared be cancelled.
- (xi) In case any students who have obtained degrees of Delhi University are found guilty under this Ordinance appropriate action under Statute 15 for withdrawal of degrees conferred by the University shall be initiated.
- (xii) For the purpose of this Ordinance, abetment to ragging whether by way of any act, practice or incitement of ragging will also amount to ragging.
- (xiii) All institutions within the Delhi University system shall be obligated to carry out instructions/directions issued under this Ordinance, and to give aid and assistance to the Vice-Chancellor to achieve the effective implementation of the Ordinance.
- (xiv) The medical council of India (presentation & prohibition of ragging in Medical Colleges/Institutions) regulations 2009 notified in the part III section 4 of the Gazette of India on 3.8.2009 amended from time to time be also adhered to.

**5.2 Sexual Harassment (Ordinance XV-D) has repelled by the act passed by the Parliament the Sexual Harassment of Women at Workplace (Prevention, prohibition and redressal) Act, 2013 (Ref. No. Estab. II (i)/27/ACC/2006 dated 09-01-2014) ([www.wcd.nic.in/wcdact/womenactsex.pdf](http://www.wcd.nic.in/wcdact/womenactsex.pdf))**

## 6. Frequently Asked Questions (FAQs)

**Q:** Is the online registration mandatory for all the candidates applying for the Ph.D. admission?

**A:** YES, online registration is mandatory for ALL the candidates applying for the Ph.D. courses (listed in this Bulletin) in the University of Delhi.

**Q:** I would like to change my "Applicant's details", which I filled during the "New User registration". Can I do that?

**A:** No, you cannot change that information later on. Be careful in filling the information.

**Q:** Is it possible to get the Admit Card through postal mode?

**A:** No, the Admit Cards will only be generated online and will be available on your registration account or email.

**Q:** When can I download the Admit Card? Is it immediately after filling the registration form?

**A:** Admit Card's download link will be available in your online account after closing date of online registration. Please visit the Ph.D. admission portal for news and updates related with the admission procedure.

**Q:** Shall I sign on the Candidate's Signature area of the Admit Card before appearing for the Written Examination?

**A:** No, the candidate is required to sign on the Admit Card in front of the invigilator during the Written Examination in order to verify the Candidate's signature.

**Q:** Can I submit the fee through any other method, like demand draft etc.?

**A:** No, the registration fee is accepted only through the online payment options available in the registration portal.

**Q:** My internet got disconnected while filling the form. What should I do?

**A:** When you get the internet connection, login again with your credentials and fill the information again.

**Q:** How can I correct my mistake in the registration form? I have uploaded the wrong Photo/ID Proof/ Signature.

**A:** No modifications in the form are allowed once fee payment is made. Before making the online payment, you can edit your registration form.

**Q:** I have uploaded the Final Aggregate Percentage, which has been accepted. But then I was asked to print the form and it still reads Result Awaited.

**A:** Please check the print of the form carefully. There is a row after Education Qualification with the result you have updated.

**Q:** What is the date of Entrance test for my course?

**A:** The date of Entrance test will be announced on the Ph.D. admission portal.



**Q:** How will I come to know the location of my Centre in the city I have chosen?

**A:** The information related with the Centre will be announced on the Ph.D. Admission portal. The information will also be printed on your Admit Card.

**Q:** Can you please tell me the syllabus and pattern for the Entrance Exam?

**A:** Please refer to Annexure V of B o I or contact the respective Department of the University of Delhi for any course specific query.

**Q:** Can two candidates apply from the same account?

**A:** No, only a single candidate can apply from an account for Ph.D. Admissions.

**Q:** Do I need to send a Hard Copy of the form?

**A:** No, you don't have to send a Hard Copy of the form anywhere. If required, you will be notified.

**Q:** How can I upload a self-attested ID Proof?

**A:**

1. Take a photocopy of your ID proof.
2. Self-attest it.
3. Scan it and upload.



## 7. ANNEXURES:

**Annexure-I:** Ph.D. offered under Faculty of Ayurveda & Unani of the following disciplines /Departments:

S. No.	Institutions/Colleges	Name of the Departments
1	All India Institute of Ayurveda (AIIA)	<ol style="list-style-type: none"><li>1. Ayurved Samhita &amp; Siddhanta</li><li>2. Dravyaguna Vigyan</li><li>3. Kaumarabhritya – Bala Roga</li><li>4. Kayachikitsa</li><li>5. Kriya Sharira</li><li>6. Panchkarma</li><li>7. Prasooti Tantra - Stree Roga</li><li>8. Rasa Shastra &amp; Bhaishajya kalpana</li><li>9. Roga Nidana</li><li>10. Shalakya Tantra</li><li>11. Shalya Tantra</li><li>12. Swasthavritta</li></ol>

**Annexure-II: Total number of available seats in the Ph.D. Programme in various subjects:**

Subject	Seats	
	Stipendiary	Non-Stipendiary*
Ayurved Samhita & Siddhanta	3	1
Dravyaguna Vigyan	3	1
Kaumarabharitya – Bala Roga	3	1
Kayachikitsa	3	1
Kriya Sharira	3	1
Panchkarma	3	1
Prasooti Tantra - Stree Roga	3	1
Rasa Shastra Bhaishajya kalpana	3	1
Roga Nidana	3	1
Shalakya Tantra	3	1
Shalya Tantra	3	1
Swasthavritta	3	1

- ❖ The candidates who are in service shall be admitted against Non-Stipendiary seats. Also, the candidates from interdisciplinary subjects/areas shall be admitted against Non-Stipendiary seats. However, the allotment of seats shall be subject to availability of supervisor in the concerned subject as per the norms.
- ❖ No. of seats may vary: The available stipendiary and non-stipendiary seats will be allotted equally among all the departments. In the condition where sufficient candidates are not available in concerned departments, the remaining seats will be allotted to other Department candidates as per the merit list of the eligibility test/interview subject to the availability of seats under the guides of that department.



**Annexure-III:** Eligibility conditions for admission to Ph.D. Programme:

S.No.	Department	Eligibility
1.	Ayurveda	<p>MD/MS in Ayurveda (in concerned subject / Allied subjects as per CCIM norms).</p> <p>OR</p> <p>Master Degree in any of allied/interdisciplinary subjects such as all disciplines under AYUSH, Diet &amp; Nutrition, Pharmaceutical Sciences / M. Pharma (Ayurveda), Pharmacology Sciences / MD or MS in Allopathic Medicine, Medicinal Plant Sciences, Medicinal Chemistry, Food Science &amp; Technology.</p> <p><b>NOTE:</b> The UGC-NET/JRF/SLET/AYUSH-NET/CSIR-NET qualified candidates shall be exempted from appearing in entrance examination. However, they will have to appear in the interview.</p>

**Annexure-IV: List of supervisors to guide Ph.D. Course in Various subjects:**

S. no.	Name of faculty	Department	Designation
1.	Prof. Tanuja Nesari	Dravyaguna Vigyan	Director/ Professor and Head
2.	Prof. Sujata Kadam	Stree Roga evam Prasuti Tantra	Dean (MD Course), Professor and Head
3.	Prof. Mahesh Vyas	Ayurved Samhita and Sidhanta	Dean (Ph.D course), Professor and Head
4.	Prof. PK Prajapati	Rasashastra evam bhaishjya Kalpana	Professor and Head
5.	Prof. Manjusha R.	Shalaky Tantra	Professor and Head
6.	Dr. Rajagopala S	Kaumarabhritya - Bala Roga	Head & Associate Professor
7.	Prof. Anand More	Roga Nidan evam Vikriti Vigyan	Professor and Head
8.	Prof. Jonah	Kayachikitsa	Professor and Head
9.	Prof. Medha Kulkarni	Swasthavaritta	Professor and Head
10.	Dr. Santosh Kr. Bhatted	Panchakarma	Head & Associate Professor
11.	Dr. Rama Kant Yadava	Kayachikitsa	Head & Associate Professor
12.	Dr. Vittal Huddar	Kayachikitsa	Head & Associate Professor
13.	Dr. Kamini Dhiman	Stree Roga evam Prasuti Tantra	Associate Professor
14.	Dr. Galib	Rasashastra evam bhaishjya Kalpana	Associate Professor
15.	Dr. Vyasdeva Mahanta	Shalya Tantra	Associate Professor
16.	Dr. Sisir Kumar Mandal	Roga Nidan evam Vikriti Vigyan	Associate Professor
17.	Dr. Meera K Bhojani	Kriya Shrira	Associate Professor
18.	Dr. Shivakumar Harti	Swasthavaritta	Associate Professor
19.	Dr. Meena Deogade	Dravyaguna Vigyan	Associate Professor
20.	Dr. Pramod R Yadav	Rasashastra evam bhaishjya Kalpana	Assistant Professor
21.	Dr. Shivani Ghildiyal	Dravyaguna Vigyan	Assistant Professor
22.	Dr. Shalini Rai	Roga Nidan evam Vikriti Vigyan	Assistant Professor
23.	Dr. Meenakshi Pathak	Stree Roga evam Prasuti Tantra	Assistant Professor
24.	Dr. Arunkumar Mahapatra	Kaumarabhritya - Bala Roga	Assistant Professor
25.	Dr. Rahul Sherkhane	Shalya Tantra	Assistant Professor
26.	Dr. Narayan Balavati	Shalaky Tantra	Assistant Professor
27.	Dr. Divya Kajaria	Kayachikitsa	Assistant Professor
28.	Dr. Rajaram Mahto	Kayachikitsa	Assistant Professor
29.	Dr. Prasanth D	Panchakarma	Assistant Professor
30.	Dr. Pankaj Pathak	Ayurved Samhita and Sidhanta	Associate Professor
31.	Dr. Bhargav Bhide	Dravyaguna Vigyan	Assistant Professor



## **Annexure-V: Instructions for appearing in the Entrance Examination**

### **A. SCHEME OF ENTRANCE EXAMINATION:**

- Part-I:** Research Methodology & General Knowledge of Ayurveda: Total Marks 50  
There shall be 50 MCQ carrying one marks each.  
There shall be no negative marking.
- Part-II:** Subject specific: Total Marks 30  
There shall be MCQ carrying 30 marks  
The MCQ will be from the subject concerned under which the candidate has applied for Ph.D. Programme  
There shall be no negative marking

**Interview:** Total marks 20

**Eligibility criteria for appearing in Interview:** 50% marks (aggregate in Part-I & Part-II) in entrance examination are required to become eligible for appearing in the interview. Relaxation for reserve category shall be as per Ordinance VI of University of Delhi.

- ❖ The final result / merit will be prepared based on the aggregate marks of written test and interview. The result of the Ph.D. Entrance Test will be uploaded in the website of Faculty/AIIA i.e. [www.fmssc.ac.in](http://www.fmssc.ac.in)/[www.aiia.gov.in](http://www.aiia.gov.in).

### **B. Syllabus for Ph.D. Entrance Examination\***

**Part-I:** Research Methodology & updated General Knowledge of Ayurveda

**Part-II:** The subject concerned under which the candidate has applied for Ph.D. Programme.

\*The syllabus of MD/MS as per CCIM and updated knowledge of the same.

### **Annexure-VI: Ordinance VI Procedure for Award of Master of Philosophy (M.Phil.) and Doctor of Philosophy (Ph.D.) Degree**

1. The Ordinance conforms with University Grants Commission Gazette (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016.
2. Award of degrees to candidates registered for the M.Phil./Ph.D. programme on or after July 11, 2009 till the date of Notification of these Regulations by UGC shall be governed by the provisions of the UGC (Minimum Standards and procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009
3. If the M.Phil./Ph.D. degree is awarded by a Foreign University, the University considering such a degree shall refer the issue to a Standing Committee constituted for the purpose of determining the equivalence of the degree awarded by the foreign University.
4. The University of Delhi shall not conduct the M.Phil. and Ph.D. programmes through distance education mode.
5. Part-time Ph.D. will be allowed provided all the conditions mentioned in the extant Ph.D. Regulations are met.

### **GENERAL GUIDELINES**

- a) A Department of a Faculty or a Centre of the University can conduct research programmes for the award of M.Phil./Ph.D. degree.
- b) The Board of Research Studies (BRS) of the respective Faculty/Centre shall organize the research studies leading to the degree of Doctor of Philosophy under the general guidance of the Academic Council.
- c) The Research Council will advise the Board of Research Studies.
- d) The Departmental Research Committee (DRC) shall supervise all academic matters related to the Ph.D. degree.
- e) The M. Phil. Programme in a Department will be administered by the M.Phil. Committee.

### **A. Composition and Functions of the Research Council, Board of Research Studies and Departmental Research Committee**

1. **Research Council-** The Research Council shall ensure uniform implementation of the Ordinance and provide advice on procedural and related matters. The composition of the Research Council shall include a Chairperson and Deans of Research from Life Sciences, Physical and Mathematical Sciences and Humanities and Social Sciences.
2. **Board of Research Studies -** Each Faculty that offers Ph.D. programme shall have a Board of Research Studies. The registration of students by each Department of the Faculty shall require ratification by the respective BRS. The records of registration and the progress of research work done by the Ph.D. students shall be maintained by the BRS.



**The composition of BRS for the Faculty of Ayurveda & Unani shall be as follows:**

- a. Dean of the Faculty – Chairperson
  - b. Dean of the AIIA
  - c. One Professor (Nominee of the Vice Chancellor)
  - d. All Heads of the Departments under Faculty of Ayurveda & Unani.
  - e. All Heads of the Institutions / Colleges affiliated to the University for Ph.D. programme in Ayurveda.
  - f. One Assistant Professor by rotation as per seniority.
3. **Departmental Research Committee-** Each Department and Centre offering Ph.D. Programme shall have a Departmental Research Committee (DRC). All members of the DRC must be qualified to be Supervisors. The Dean of the respective faculty will approve the Committee.

**The composition of DRC for the Faculty of Ayurveda & Unani shall be as follows:**

- a. Head of the Department -Chairperson
- b. One Professor (a nominee of the Vice-Chancellor)
- c. Four Professors from the Department
- d. Two Associate Professors
- e. Two Assistant Professors

The selection under category c), d) and e) shall be by rotation as per seniority.

**The composition of DRC for the Faculty of Technology shall be as follows:**

- a. Head of the Department -Chairperson
- b. One Professor (a nominee of the Vice-Chancellor)
- c. Four Professors
- d. Two Associate Professors
- e. Two Assistant Professors

The selection under category c) to e) shall be by rotation as per seniority.

Where Departments have strength of less than ten teachers, all members, who are eligible to be Supervisors will be members of the Departmental Research Committee.

The term of membership of all members of BRS and DRC, other than ex-officio members will be for a period of two years. Unless otherwise provided, one-third of the members of the BRS and DRC, respectively shall form the quorum.

The meetings of the DRC and the BRS may be held at least once every three months. It may be held earlier, depending on the urgency of individual cases.

**The composition of the M.Phil. Committee will be as follows:**

- a. Head of the Department –Chairperson
- b. Six Professors in the Department
- c. Three Associate Professors in the Department
- d. Three Assistant Professors in the Department
- e. One Associate Professor and One Assistant Professor from the colleges, except for those Departments that do not have an undergraduate programme in the respective discipline.

The selection under point b), c), d) and e) shall be by rotation as per seniority. The total strength of members shall not be more than 15.

Members of the M.Phil. Committee other than the Head of the Department shall hold office for a period of two years. The composition of the Committee will be approved by the Dean of the Faculty on the recommendation of the Head of the Department.

In case two or more Departments of the University together have an inter-disciplinary M.Phil. Programme, the M.Phil. Committee shall consist of the Heads of the Departments concerned, equal representation of Professors of the Departments concerned, and such other faculty members as approved jointly by the Deans of the Faculties concerned on the recommendation of the Heads of the Departments, not exceeding 15 in all. The Heads of the Departments concerned shall act as Chairperson by rotation in order of seniority of the establishment of the Department.

**B. Procedure for Admission**

1. As per UGC Regulations 2016, the University shall admit M.Phil./Ph.D. students through an Entrance Test conducted at the level of the University. The University may decide separate terms and conditions for those students who qualify UGC-NET (including JRF) / UGC-CSIR NET (including JRF)/GATE/teacher fellowship holder or Ph.D. Fellowship of CCRAS, Ministry of AYUSH have passed M.Phil. Programme. Similar approach may be adopted in respect of Entrance Test for M.Phil. Programme.
2. Candidates will be admitted in a two-stage process through (i) an Entrance Test (to be held once a year, a common entrance test for M.Phil. and Ph.D. programme) and (ii) an interview that may be held twice in a year and more number of times, if required.
3. As per UGC Regulations 2016, the University will decide on an annual basis through the academic bodies, a predetermined and manageable number of M.Phil./Ph.D. scholars to be admitted depending on the number of available Research Supervisors and other academic and physical facilities available, keeping in mind the norms regarding the scholar- teacher ratio, laboratory, library and such other facilities.
4. As per UGC Regulations 2016, the University shall notify well in advance on its website and through advertisement in at least two (2) national newspapers, of which at least one (1) shall be in the regional language, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, examination centre (s) where entrance test(s) shall be conducted and all other relevant information for the benefit of the candidates.
5. The Departments will accordingly decide on an annual basis through M.Phil. Committee /DRC, a predetermined and manageable number of M.Phil./Ph.D. scholars to be admitted, and will notify well in advance on its Departmental website and through advertisement, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, syllabus for written



test, Examination Centre(s) where entrance test(s) shall be conducted, selection criteria during interview and all other relevant information for the benefit of the candidates.

6. The Head of the Department shall consult the faculty members and college teachers, who are recognized to be Supervisor as per UGC Regulation 2016, regarding the number of vacant seats available with each member in that academic year. Each prospective Supervisor may decide on the number of seats that he/she may like to fill in a particular year, within his/her maximum permissible strength and inform the Head of Department accordingly.
7. Eligible College teachers will send their willingness to supervise M.Phil./Ph.D. students along with Curriculum Vitae and list of publications to the Head. The Head will ensure that information from the Department faculty and college teachers in this regard is available before the announcement of vacant seats.
8. In case of Departments that want to hold the interviews twice or more number of times in a year, they can notify their vacant seats at least 15 days before the schedule of interviews.
9. No research scholar registered for the M.Phil./Ph.D. programme shall be permitted to undertake any other full-time Programme during the pendency of the M.Phil./Ph.D. programme.
10. The admission to M.Phil./Ph.D. Programme will be according to the National Level Reservation Policy, as applicable from time to time, based on intake in a given academic year.

### C. Eligibility Criteria

#### C-1 Common Eligibility Criteria for M.Phil./Ph.D.

Master's degree or a professional degree (M.Tech./LL.M./M.D./M.S. degree) in the same or allied subjects, declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate (or its equivalent grade 'B' in the UGC 7- point scale or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled and other categories of candidates as per the decision of the University Grants Commission from time to time, or for those who obtained their Master's degree prior to 19 September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

Candidates with Masters or equivalent degree must appear in a written entrance exam conducted by the University in order to be eligible for interview. Based on the performance



in the written test, which is the qualifying exam, the shortlisted candidates shall appear for an interview.

Candidates who have qualified UGC-NET (including JRF)/ UGC-CSIR NET (including JRF)/ DBT JRF, ICMR-JRF, DST-INSPIRE, Ph.D. Fellowship of CCRAS, Ministry of AYUSH or equivalent national level examination/fellowship (as identified by DRC) / GATE / teacher fellowship holder may directly appear for interview.

Teachers, who are in service in the University of Delhi, may directly appear for interview.

The allied subjects for admission to M.Phil./Ph.D. Programme in a particular Department shall be decided by the DRC of the respective Department in consultation with faculty members who have advertised for vacancies, based on their specific requirements. The list of allied subjects duly approved by the M.Phil. Committee/DRC may be submitted to the respective BRS for approval, after which it may be displayed on the website of the Department.

No candidate shall be eligible to register for the M.Phil./Ph.D. Programme if he/she is already registered for any full-time Programme of study in any University/Institution.

Foreign nationals fulfilling the eligibility criteria may be registered for M.Phil./Ph.D. over and above the maximum admissible strength. However, at any given time, the total number of foreign students shall not exceed 10% of the total admissible strength of the Department. Foreign nationals must provide evidence of language competence suited to the Department they wish to join. Foreign nationals are exempted from entrance test and interview. They may be admitted based on their research proposal, subject to fulfilling the minimum eligibility criteria. The decision regarding the same rests with the DRC subject to approval from BRS for the Ph.D. Programme and M.Phil. Committee for the M.Phil. Programme.

## **C-2 Categories for admission to Ph.D. Programme other than mentioned in C-1**

1. Candidates who have been awarded or are pursuing M.Phil. Programme under the following categories may directly appear for interview:
  - a. Candidates who have cleared the M.Phil. coursework with at least 55% marks in aggregate (or its equivalent grade 'B' in the UGC 7-point scale or an equivalent grade in a point scale wherever grading system is followed) and have successfully completed the M.Phil. degree with at least 55% marks shall be eligible for appearing directly for interview. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled.
  - b. Candidates who have cleared coursework of M.Phil. from University of Delhi with at least 55% marks in aggregate may directly appear for interview to Ph.D. without completing the M.Phil. Dissertation, if the candidate is interested in registering for Ph.D. without completing M.Phil. Programme.
  - c. A candidate who's M.Phil. dissertation has been evaluated and the viva voce is pending may appear directly for interview to the Ph.D. Programme.



- d. Candidates possessing a degree considered equivalent to M.Phil. Degree of an Indian Institution with 55% marks or from a Foreign Educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.
2. Faculty of Management Studies may shortlist candidates for appearing directly in interview for Ph.D. admission on the basis of CAT score.

**All candidates appearing directly for interview have to register on the online admission portal.**

#### **D. Entrance Test and the Interview**

1. There shall be a common Entrance Test for M.Phil. and Ph.D. Programme to be conducted by the University, once a year, where both programmes are offered by the Department.
2. The Entrance Test will be a qualifying examination with qualifying marks as 50%. The syllabus for the entrance test will consist of 50% questions on research aptitude/methodology and 50% subject-specific questions.
3. The Entrance Tests in various Departments shall be staggered to allow the candidates to appear in written test in more than one subject, if they so desire.
4. The Entrance Test for Ph.D. Programme shall be conducted once in a year and the eligibility of shortlisted candidates shall remain valid till the next entrance test. The interviews may be held twice in a year or more, subject to availability of seats as determined by the DRC.
5. At the time of interview, if required, experts/prospective Supervisors from allied/specialized areas may be invited.
6. At the time of interview, the candidates are required to discuss their research interest/area through a presentation before a duly constituted Committee. The interview shall also consider the following aspects:
  - a. the candidate possesses the competence for the proposed research;
  - b. the research work can be suitably undertaken at the University
  - c. the proposed area of research can contribute to new/additional knowledge.
7. The merit list of the recommended candidates shall be displayed on the website after approval by the M.Phil. Committee / DRC. There will be a waiting list in the order of merit.
8. The M.Phil. Committee / DRC reserves the right not to select candidates for all the vacancies advertised.
9. The M.Phil. Committee /DRC shall ensure that all University rules as well as reservation rules are followed in the admission process.

10. The registration of candidates in the Ph.D. Programme may be confirmed by the BRS based on the recommendation of the DRC after completion of coursework. The registration of candidates in the M.Phil. Programme may be confirmed by the M.Phil. Committee after completion of coursework.
11. The Department shall maintain a list of all the M.Phil./Ph.D. registered research scholars on its website on year-wise basis. The list shall include the name of each of the registered candidates, topic of his/her research, name of his/her supervisor/co-supervisor and date of enrolment/registration.

#### **E. Coursework**

1. The coursework for M.Phil. and Ph.D. shall be common, where both Programmes are offered by the Department.
2. As per UGC Regulations 2016, the credit assigned to the M.Phil./Ph.D. course work shall be a minimum of 08 credits and a maximum of 16 credits. The course work shall be treated as prerequisite for M.Phil./Ph.D. preparation. A minimum of four credits shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other courses shall be advanced level courses preparing the students for Ph.D. degree.
3. All courses prescribed for M.Phil./Ph.D. programme coursework shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. These courses shall be duly approved by the DRC and the BRS.
4. The Department where the research scholar pursues his/her research shall prescribe the course(s) to him/her based on the recommendations of the Research Advisory Committee of the research scholar.
5. All research scholars admitted to M.Phil./Ph.D. Programme shall be required to complete the coursework within initial one or two semesters.
6. Marks/Grades in the course work, including Research Methodology courses shall be finalized after a combined assessment by the Research Advisory Committee and the Department and the final marks/grades shall be communicated to the University.
7. The M.Phil. Committee/DRC shall satisfy itself that each research scholar has completed the requirement of coursework. The Head of the Department shall provide to the student a certificate of completion of coursework and names of courses opted by each student. If a research scholar fails to qualify the coursework, he/she may be allowed to reappear only once, within six months of the declaration of result. If the result is still found unsatisfactory, the M.Phil. Committee /DRC may recommend cancellation of his/her registration. This may be reported to the Board of Research Studies in case of Ph.D. scholars. Under special circumstances (e.g. medical reasons), a final decision may be taken by BRS on the recommendation of the DRC for Ph.D. scholars and M.Phil. Committee in case of M.Phil. scholar.



8. The credits of the coursework shall be transferable between the Departments of the University and inter-university, subject to their acceptance by the M.Phil. Committee /DRC.
9. The research scholars shall not be allowed to take up any assignment outside the University during the coursework.
10. Research scholars already holding M.Phil. Degree or equivalent M.Phil. Degree (equivalence to be determined by DRC) and admitted to the Ph.D. programme, or those who have already completed the coursework in M.Phil. of University of Delhi and have been permitted to proceed to the Ph.D. programme, may be exempted by the DRC from the Ph.D. coursework. All other research scholars admitted to the Ph.D. programme shall be required to complete the Ph.D. coursework prescribed by the Department.
11. A M.Phil./Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis.
12. Upon satisfactory completion of course work, and obtaining the marks/grade prescribed as the case may be, the M.Phil./Ph.D. scholar shall be required to undertake research work and produce a draft dissertation/thesis within a reasonable time, as stipulated by the University based on UGC Regulations, 2016.
13. The overall minimum credit requirement, including credit for the course work, for the award of M.Phil. degree shall not be less than 24 credits.
14. The M.Phil. dissertation will have a total of 300 marks (12 credits), including marks for viva-voce examination.
15. After admission to Ph.D. programme, the research scholar in consultation with the Supervisor, may propose a tentative title for Ph.D. thesis within one year. However, the final title for the Ph.D. thesis must be decided at the time of the pre-Ph.D. presentation. The final title will be subject to approval of the DRC and the BRS.

#### **F. Attendance**

Research scholars shall be required to attend lectures (coursework) and participate in seminars arranged in the Department during the programme. The minimum percentage of lectures to be attended during the coursework will be two-thirds of the lectures delivered in all courses, individually.

#### **G. Eligibility Criteria for Supervisor**

1. Any regular Professor of the University with at least five research publications in refereed journals and any regular Associate/Assistant Professor of the University/College with a Ph.D. degree and at least two research publications in refereed journals may be recognized as a Supervisor. Provided that in areas/disciplines where there is no or only a limited number of refereed journals, M.Phil. Committee/DRC and BRS may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.
2. Only a full-time regular teacher of Department/College of the University can act as a Supervisor. External supervisors are not allowed. However, Co-Supervisor



can be allowed in inter-disciplinary areas from other Department/College of the University or other related institutions with the approval of the Research Advisory Committee

3. A Research Supervisor/Co-supervisor who is a Professor, at any given point of time, cannot guide more than three (3) M.Phil. and Eight (8) Ph.D. scholars. An Associate Professor as Research Supervisor can guide up to a maximum of two (2) M.Phil. and six (6) Ph.D. scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of one (1) M.Phil. and four (4) Ph.D. scholars. This is excluding supernumerary allotment. In case of co-supervision, an enrolled research scholar will be counted as one each, for the Supervisor and the Co-Supervisors.

#### H. Allocation of Supervisor

1. The allocation of Supervisor for a selected research scholar shall be decided by the M.Phil. Committee/DRC depending on the number of research scholars per Supervisor, the available specialization among the Supervisors and research interests of the research scholar, as indicated by them at the time of interview.
2. In case of topics which are of inter-disciplinary nature and where the Department concerned feels that the expertise in the Department has to be supplemented from outside, the Department may appoint a Supervisor from the Department/College itself, who shall be known as the Supervisor, and a Co-Supervisor from outside the Department.
3. In case of relocation of a M.Phil./Ph.D. woman research scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the University to which she intends to relocate, provided all other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/Supervisor from any funding agency. The research scholar will, however, give due credit to the parent guide and the part of research, already done. The transfer of research data is applicable only if it is an independent project of the research scholar. In cases where the work being carried out is supported by a project secured by the parent institution/Supervisor, the research data/material will remain with the parent institution/supervisor.
4. In a Department where teachers are retiring, leaving or are proceeding on long leave on deputation or where unforeseen circumstances have necessitated change of Supervisor, the DRC shall appoint Supervisor(s)/Co-Supervisor(s) as supernumerary allotment. This may be approved by the respective BRS.
5. In cases where the Supervisor has three or less years before retirement, a Co-Supervisor from within the University shall be mandatory. Such Co-Supervisor(s) must be in active service at the time of submission of thesis. Those appointed as Supervisor shall continue to guide the particular research scholar as Co-supervisor after retirement and the Co-supervisor will become Supervisor in that particular case. Fresh Supervision/Co-Supervision is not permitted after retirement.
6. Faculty members on deputation/long leave for more than a year may not be included in the list of proposed Supervisors in a Department and in determining the number of vacant seats.



7. The DRC, on the recommendation of the Supervisor, may appoint scholars of eminence who may be residing in India or abroad, as Co-Supervisor(s).
8. The recommendation of the DRC regarding the appointment of Supervisor(s) shall be approved by the respective BRS.
9. Each Supervisor is entitled to take a fresh research scholar after submission of the thesis of his/her previously allotted research scholar, based on maximum permissible number for that faculty member.

#### **I. Research Advisory Committee**

1. There shall be a Research Advisory Committee for every research scholar, duly approved by the M.Phil. Committee/DRC. The Supervisor of the research scholar shall be the Convener of this Committee. The Committee will have at least three members, with at least one faculty member other than the Supervisor from the Department. This Committee shall have the following responsibilities:
  - a. To review the research proposal and finalize the topic of research.
  - b. To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.
  - c. To periodically review and assist in the progress of the research work of the research scholar.
2. The research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six monthly progress reports with the comments of the Research Advisory Committee shall be submitted to the M.Phil. Committee/DRC with a copy to the research scholar.
3. In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to comply with these corrective measures, the Research Advisory Committee may recommend to the M.Phil. Committee/DRC with specific reasons for cancellation of the registration of the research scholar.

#### **J. Financial Assistance to Research Scholars**

1. Research scholars who have cleared National Level examinations with JRF or equivalent shall get financial assistance from the concerned funding agency.
2. Research scholars who are working in projects as JRF and SRF shall get financial assistance from the designated projects.
3. Research scholars, who do not have any financial assistance, may be awarded Non-NET UGC fellowships. The University, depending on the grant available from UGC, will determine the number of fellowships under this category annually.
4. Financial assistance shall not be provided where the research scholar is availing paid study leave.

5. Foreign research scholars must show proof of financial support for the duration of the M.Phil./Ph.D. enrolment.

#### **K. Leave**

1. Any leave of more than thirty days from research work would require prior intimation and approval of the DRC and the BRS or the M.Phil. Committee. This period shall be counted in the total duration for submission of dissertation/thesis.
2. On the recommendation of the Supervisor and the DRC, the BRS may permit the research scholar to be away from the University of Delhi to pursue research related to Ph.D. work for not more than two semesters after completion of the coursework.
3. Women scholars may be provided Maternity Leave/Child Care Leave once in the entire duration of M.Phil./Ph.D. for up to 240 days. This period shall not be counted in the total duration for submission of M.Phil. dissertation/Ph.D. thesis.
4. The Supervisor must report absence from research work by research scholar due to illness, maternity leave or other circumstances to the M.Phil. Committee or DRC and BRS. Negligence of research work or any other acts of indiscipline must be recorded and reported to the DRC and the concerned BRS. On receipt of a complaint, the M.Phil. Committee/BRS may take appropriate action against the research scholar, including cancellation of his/her registration.
5. Only in exceptional cases, a research scholar may be allowed to de-register from the Ph.D. programme after successful completion of minimum duration of three years on the recommendation of the DRC and the approval of the BRS. The research scholar shall re- register within a period of three years. The Ph.D. thesis should be submitted within such a period that the period of initial registration and re-registration does not exceed the duration of the Ph.D. programme.

#### **L. Duration of M.Phil./Ph.D. Programme**

1. As per UGC Regulations 2016, the M.Phil. Programme shall be for a minimum duration of two (2) consecutive semesters/one year and a maximum of four (4) consecutive semesters/two years.
2. As per UGC Regulations 2016, Ph.D. programme shall be for a minimum duration of three years from the date of registration, including coursework and up to a maximum of six years.
3. Women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of one year for M.Phil. and two years for Ph.D. in the maximum duration.
4. As per UGC Regulations, 2016, extension beyond the above limits will be governed by relevant clauses as stipulated in the Statute/Ordinance of the individual Institution concerned.



**For University of Delhi, these clauses are as below:**

- a. The M.Phil. Committee may grant an extension of up to one year, on the recommendation of the Supervisor and the Research Advisory Committee.
- b. For Ph.D. scholars, beyond a period of six years, a six-month extension can be granted by the Board of Research Studies on a written justification for the delay by the research scholar. The request of the research scholar has to be recommended by the Supervisor and DRC of the respective Department.
- c. Only in exceptional cases, with specific recommendations and justification from the Supervisor, DRC and BRS, the Vice Chancellor may recommend extension beyond six and a half years in case of Ph.D. scholars.

**M. Evaluation and Assessment**

1. 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 also 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.
2. The research scholar shall submit the thesis after pre-Ph.D. presentation within a period of six months.
3. In case of issues related to Intellectual Property Rights, necessary patents shall be filed before disclosure in seminar.
4. A Ph.D. research scholar shall publish at least one research paper in a refereed journal before submission of the thesis and produce evidence for the same in the form of an acceptance letter or a reprint. This has to be certified by the Supervisor and the Head of the Department.
5. M.Phil. scholars shall present at least one paper (oral or poster) in conference/seminar before the submission of dissertation. Ph.D. scholars shall make two paper presentations (oral or poster) in conference/seminars before the submission of the thesis and produce evidence for the same in the form of a presentation certificate. This has to be certified by the Supervisor and the Head of the Department.
6. The University shall evolve a mechanism using well-developed software and gadgets to detect plagiarism and other forms of academic unethical practices. Each dissertation/thesis will go through a Plagiarism Check that will be verified by the University Library before submission. The certificate of verification given by the library has to be submitted along with the thesis at the time of thesis submission in the Examination Branch. The thesis has to be submitted within 30 days from the date of plagiarism check.
7. The thesis must be a piece of original research work characterized either by the discovery of new facts, or by a fresh interpretation of facts or theories. In either case, it should show the research scholar's capacity for critical examination and judgment. It must be satisfactory as far as its language and presentation are concerned.
8. The research scholar may incorporate in the thesis the contents of any work published by him/her on the subject during the course of his/her Ph.D. and shall indicate the same in the thesis. If any content of the published work has been incorporated in the thesis of one of the authors, then the same content cannot be included by any of the other authors for award of any degree or diploma.



9. The M.Phil. dissertation submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least one external examiner who is not in the employment of the University.
10. The viva-voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by both of them together, and 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.
11. 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. 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 of BRS.
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, 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 two external examiners, and 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.
13. While submitting for evaluation, the dissertation/thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution. The Head of the Department shall countersign these certificates for submission of the M.Phil. Dissertation/Ph.D. thesis. In case of resubmission, the same procedure may be followed. The research scholar shall also attach a Student Approval Form in the format provided by the UGC for hosting and distributing their thesis in digital format in 'Shodhganga', or any other server designated for this purpose by UGC.
14. The research scholar shall submit four double-sided typed and printed softbound copies of the Ph.D. thesis to the Examination Branch of the University. The soft copy of the Ph.D. thesis must be submitted in specified media (CD/DVD) in specified formats (Open Office/MS office Document Format, Tex, Latex or other standard Format) that are convertible to pdf file. The pdf file of the thesis may be sent to examiners via email.



15. The Examination Branch may send all communication to the examiners viz. request for consent, sending of Ph.D. thesis for evaluation and receive report/s electronically through e- mail.
16. The examiners may (i) recommend that the degree be awarded; (ii) recommend that the degree be awarded subject to corrections/revision being made in consultation with the Supervisor before viva voce; (iii) ask for resubmission of the thesis or (iv) reject the thesis.
17. The Supervisor will provide a general report and a technical report based on the comments of all the examiners duly signed by the Supervisor and the HOD to the Examination Branch. Anonymous reports of the examiners should be shared with the research scholar only for the purpose of revision only.
18. As per UGC Regulations 2016, the public viva-voce of the research scholar to defend the dissertation shall be conducted only if the evaluation report(s) of the external examiner(s) on the thesis is/are satisfactory and include a specific recommendation for conducting the viva- voce examination. If the evaluation report of the external examiner in case of M.Phil. dissertation, or one of the evaluation reports of the external examiner in case of Ph.D. thesis, is unsatisfactory and does not recommend viva-voce, the University shall send the dissertation/thesis to another external examiner out of the approved panel of examiners and the viva-voce examination shall be held only if the report of the latest examiner is satisfactory. If the report of the latest examiner is also unsatisfactory, the dissertation/thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.
19. For Ph.D. thesis evaluation, the corresponding actions suggested in the following table may be followed based on the comments/observations received from external examiners:

Recommendation	Examiner 1	Examiner 2	Examiner 3	Action Suggested
Event 1	Accept	Accept	Accept	Viva voce
Event 2	Accept	Accept	Minor Revision	Revise thesis in consultation with Supervisor followed by viva voce
Event 3	Accept/Resubmission	Accept/Resubmission	Resubmission	Resubmission within one year after incorporating suggestions. Thesis to be sent to all examiners again.
Event 4	Accept	Accept	Reject	Thesis to be sent to fourth examiner whose recommendation shall be final and binding
Event 5	Accept/Resubmission	Reject	Reject	Reject and cancel registration

For any cases that need special consideration, a Special Committee consisting of the Vice- Chancellor/Pro-Vice-Chancellor, Chairperson of Research Council, Dean of Examinations, Chairman of the concerned Board of Research Studies, Head of the concerned Department, the Supervisor(s) of the candidate, and three Professors of the University of Delhi nominated by the Vice-Chancellor may be referred to for a decision in the matter.

20. The public viva voce of the research scholar to defend the Ph.D. thesis shall be conducted only if the evaluation report(s) of the external examiner(s) on the thesis

is/are satisfactory and include a specific recommendation for the conduct of the viva voce examination.

21. The open viva voce by the research scholar may also be done through Skype/Video conferencing, if required.
22. If the thesis has undergone revision after external evaluation, the soft copies of the final version of the Ph.D. thesis, after revision, must be re-submitted to the Examination Branch. In order to ensure that the soft copy is complete and exact replica of the print version accepted for award of Ph.D., the Department Supervisor/Head must authenticate the soft copy submitted by the scholar.
23. Following successful completion of the evaluation process and the announcement of the award of the M.Phil./Ph.D., the University shall submit an electronic copy of the M.Phil. dissertation/Ph.D. thesis to the Examination Branch to be submitted to INFLIBNET for hosting the same to make it accessible to all Institutions/Colleges.
24. The University shall develop appropriate methods so as to complete the entire process of evaluation of Ph.D. thesis within a period of six months from the date of submission of M.Phil. dissertation/Ph.D. thesis.
25. Prior to the actual award of the degree in convocation, the University may issue a Provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of the UGC Regulations, 2016.

**N. Academic, administrative and infrastructure requirement to be fulfilled by Colleges for getting recognition for offering M.Phil./Ph.D. programmes (as per UGC Regulation, 2016):**

1. Colleges may be considered eligible to offer M.Phil. /Ph.D. programmes only if they satisfy the availability of eligible Research Supervisors, required infrastructure and supporting administrative and research promotion facilities as per these Regulations.
2. Post-graduate Departments of Colleges, Research laboratories of Government of India/State Government with at least two Ph.D. qualified teachers/scientists/other academic staff in the Department concerned along with required infrastructure, supporting administrative and research promotion facilities as per these Regulations, stipulated under sub-clause 10.3, shall be considered eligible to offer M.Phil./Ph.D. programmes. Colleges should additionally have the necessary recognition by the Institution under which they operate to offer M.Phil./Ph.D. programme.



3. Colleges with adequate facilities for research as mentioned below alone shall offer M.Phil./Ph. D. programmes:
  - a. In case of science and technology disciplines, exclusive research laboratories with sophisticated equipment as specified by the Institution concerned with provision for adequate space per research scholar along with computer facilities and essential software, and uninterrupted power and water supply;
  - b. Earmarked library resources including latest books, Indian and International journals, e- journals, extended working hours for all disciplines, adequate space for research scholars in the Department/ library for reading, writing and storing study and research materials;
  - c. Colleges may also access the required facilities of the neighboring Institutions/ Colleges, or of those Institutions/Colleges/R&D laboratories/Organizations that have the required facilities.

**Annexure-VII: Major areas of research under specific subject and latest updates in field of Ayurveda**

**Part –I First Year MD/MS (Ayurveda) Research Methodology and Medical Statistics syllabus.**

**Part –II Final Year MD/MS (Ayurveda) syllabus of concerned subject**

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