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FACULTY OF MEDICAL SCIENCES
UNIVERSITY OF DELHI

**ORDINANCE OF THE UNIVERSITY RELATING TO POST GRADUATE
(MDS) COURSES**

POST GRADUATE (MDS) DEGREE COURSES

1. GENERAL CONDITIONS TO BE OBSERVED BY TEACHING INSTITUTIONS

In view of the increase in demand for speciality training, it has been desired that dental institutions under University of Delhi with proper infrastructure facilities, faculty and adequate clinical material may start post graduate (MDS) courses. However, no institution may start post graduate courses without prior approval of Government of India as per provisions of Dentists (Amendment) Act, 1948, and regulations framed there under.

- i) Postgraduate (PG) Dental Education in broad specialities shall be of three years duration in the case of Degree courses.
- ii) Postgraduate curriculum shall be competency based.
- iii) Learning in Postgraduate programme shall be essentially autonomous and self directed.
- iv) A Combination of both formative and summative assessment is vital for the successful completion of the Postgraduate programme.
- v) A modular approach to the course curriculum is essential for achieving a systematic exposure to the various sub-specialities concerned with a discipline.
- vi) The training of Postgraduate students shall involve learning experiences 'derived from' or 'targeted to' the needs of the community. It shall, therefore be necessary to expose the students to community based activities.

**2. GOALS AND GENERAL OBJECTIVES OF POSTGRADUATE MEDICAL EDUCATION
PROGRAMME TO BE OBSERVED BY POSTGRADUATE TEACHING INSTITUTIONS.**

2.1 GOAL

The goal of Postgraduate Dental Education shall be to produce competent specialists and/or Dental teachers;

- i) Who shall recognize the health needs of the community, and carry out professional obligations ethically and in keeping with the objectives of the national health policy.
- ii) Who shall have mastered most of the competencies, pertaining to the speciality, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system;

- iii) Who shall be aware of the contemporary advances and developments in the discipline concerned;
- iv) Who shall have acquired a spirit of scientific inquiry and are oriented to the principles of research methodology and epidemiology; and
- v) Who shall have acquired the basic skills in teaching of the dental, nursing and paramedical students.
- vi) Practice respective speciality efficiently and effectively, backed by scientific knowledge and skill.
- vii) Exercise empathy and a caring attitude and maintain high ethical standards.
- viii) Continue to evince keen interest in continuing professional education in the speciality and allied specialities irrespective of whether in teaching or practice.
- ix) Willing to share the knowledge and skills with any learner, junior or a colleague.
- x) To develop the faculty for critical analysis and evaluation of various concepts and views, to adopt the most rational approach.

2.2 GENERAL OBJECTIVES OF POST GRADUATE TRAINING: (MDS)

The objective is to train a candidate so as to ensure higher competence in both general and special area of interest and prepare him for a career in teaching, research and speciality practice.

At the end of the Postgraduate training in the discipline concerned, the student shall be able to:

- i) Recognize the importance of the concerned speciality in the context of the health needs of the community and the national priorities in the health sector;
- ii) Practice the speciality concerned ethically and in step with the principles of primary health care;
- iii) Demonstrate sufficient understanding of the basic sciences relevant to the concerned speciality;
- iv) Identify social, economic, environmental, biological, and emotional determination of health in a given case, and take them into account while planning therapeutic, rehabilitative, preventive, and promotive measures/ strategies;
- v) Diagnose and manage majority of the conditions in the speciality concerned on the basis of clinical assessment, and appropriately selected and conducted investigations;
- vi) Plan and advise measures for the prevention and rehabilitation of patients suffering from disease and disability related to the speciality;
- vii) Demonstrate skills in documentation of individual case details as well as 'morbidity and mortality' data relevant to the assigned situation;
- viii) Demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behaviour in accordance with the societal norms and expectations;
- ix) Play the assigned role in the implementation of national health programmes, effectively and responsibly;
- x) Organize and supervise the chosen/ assigned health care services demonstrating adequate managerial skills in the clinic/ hospital, or the field situation;
- xi) Develop skills as a self-directed learner, recognize continuing educational needs; select and use appropriate learning resources;

xii) Demonstrate competence in basic concepts of research methodology and epidemiology, and be able to critically analyze relevant published research literature;

xiii) Develop skills in using educational methods and techniques as applicable to the teaching of dental, nursing, paramedical students and function as an effective leader of a health team engaged in oral health care, research, or training.

3. STATEMENT OF THE COMPETENCIES:

Keeping in view the general objectives of Postgraduate training, each discipline, through its Committee of Courses and Studies, shall aim at development of specific competencies which shall be defined and spelt out in clear terms. Each Department shall produce a statement and bring it to the notice of the trainees in the beginning of the programme so that he or she can direct the efforts towards the attainment of these competencies. **The teaching programme should be framed in a graded manner from basics to advanced level in each discipline. Similarly, the acquisition of skill should also be planned so that the students learn in a phased/incremental manner.**

3.1 The syllabus and core curriculum of each approved individual subjects should be prepared by the Committee of Courses and Studies (CCS), based on the guidelines of the Dental Council of India.

3.2 The approved syllabus and curriculum should be displayed at the website of the Faculty so that the students are aware of the objectives of training and acquire the requisite skills at the end of the training period.

4. GENERAL

(1) The Institutions recognized by the Dental Council of India for running Post-graduate courses prior to the commencement of the Dentists (Amendment) Act, 1993 and those dental colleges recognized for running Bachelor of Dental Surgery (BDS) course or institutions established by the Central Government for the purpose of imparting postgraduate dental education shall be eligible for starting any postgraduate degree or diploma and higher speciality course after a periodic inspection to ascertain the availability of infrastructural facilities for BDS courses by DCI.

Note: DCI regulations be followed as notified / amended from time to time for BDS /MDS courses.

(2) The institutions recognized by the Dental Council of India for running Postgraduate courses prior to the commencement of the Dentists (Amendment) Act, 1993 and those dental colleges recognized for running Bachelor of Dental Surgery (BDS) course or institutions established by the Central Government for the purpose of imparting postgraduate dental education shall be eligible for starting any postgraduate degree or diploma and higher speciality course after a periodic inspection to ascertain the BDS requirement by DCI in all aspects.

(3) The maximum number of students for a postgraduate dental course, who can be registered in any recognized department, for training for the award of postgraduate degree or diploma by the affiliating university, shall be determined by the facilities available in

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the department in terms of infrastructure, teaching staff and clinical teaching material. However, to start with a maximum of 3 P.G. students will be permitted.

(4) Every student, selected for admission to a postgraduate dental course in any of the dental institutions in the country, shall possess recognized BDS degree or equivalent qualification and should have obtained Registration with any of the State Dental Councils or should obtain the same within one month from the date of his admission, failing which the admission of the candidate shall be cancelled.;

Provided that in the case of a foreign national, the Dental Council of India may, on payment of the prescribed fee for registration, allow temporary registration for the duration of the postgraduate training restricted to the dental college/institution to which he is admitted for the time being exclusively for postgraduate studies;

Provided further that temporary registration to such foreign national shall be subject to the condition that such person is duly registered as dental practitioner in his own country from which he has obtained his basic dental qualification and that his degree is recognized by the Dental Council of India and corresponding dental Council or concerned authority and concerned university and Ministry of External/Home Affairs have not objection for granting admission in India.

(5) The students undergoing postgraduate courses shall be exposed to the following:-

- (a) Basics of statistics to understand and critically evaluate published research papers.
- (b) Few lectures on human behaviour studies.
- (c) Bio-medical waste management
- (d) Basic life support
- (e) Infection control and sterilisation

5. SELECTION OF POSTGRADUATE STUDENTS

Students for Postgraduate dental courses shall be selected through the Entrance Examination conducted by the University of Delhi strictly on the basis of merit. The minimum percentage of marks in the entrance test for eligibility for admission to Postgraduate Dental Courses shall be 50% for candidates belonging to General Category, 45% for those with locomotory disability of lower limbs as provided in clause 7.1 and 40% for the candidates belonging to SC/ST and OBC Categories.

5.1 3% seats of the annual sanctioned intake capacity shall be filled up by candidates with locomotory disability of lower limbs between 50% to 70%.

Provided that in case any seat in this 3% quota remains unfilled on account of non availability of candidates with locomotory disability of lower limbs between 50% to 70% then any such unfilled seat in this 3% quota shall be filled up by persons with locomotory disability of lower limbs between 40% to 50% before they are included in the annual sanctioned seats for unreserved category candidates.

Provided further that this entire exercise shall be completed by Faculty of Medical Sciences, University of Delhi as per the statutory time schedule for admissions and in no case any admission will be made in the Postgraduate Dental course after 31st of May.

6. NOMENCALTURE FOR POSTGRADUATE/ POST DOCTORAL COURSES

The University of Delhi shall award the MDS Degree in the following specilities for which candidates must possess recognized degree of BDS (or its equivalent dental degree recognized by DCI):-

1. Prosthodontics and Crown & Bridge
2. Periodontology
3. Conservative Densitry & Endodontics
4. Orthodontics & Dentofacial Orthopaedics
5. Oral & Maxillofacial Surgery
6. Paedodontics and Preventive Dentistry
7. Oral Pathology & Microbiology
8. Oral Medicine and Radiology
9. Public Health Dentistry

7. VACATIONS / LEAVE

7.1 No vacation is permitted to any MDS student.

7.2 The students shall get a total of 30 days leave during the 1st academic year, and 36 days leave during the 2nd and 3rd academic year respectively. The leave includes leave taken on any ground except maternity/ miscarriage/ abortion leave.

7.3 During pregnancy: **180 days Maternity Leave** are admissible only to candidates with less than two surviving children subject to the condition that the students will have to complete the required period of training before being allowed to appear in the examination. **Any amendments on the duration & condition of the maternity leave, notified by the Central Govt. will stand applicable.**

7.4 During miscarriage/ abortion (induced or otherwise): total leave of 45 days are admissible during the entire course. Leave are admissible irrespective of number of surviving children. Application should be supported by a certificate from a Registered Medical Practitioner/ Authorized Medical Attendant subject to the condition that the students will have to complete the required period of training before being allowed to appear in the examination.

7.5 The leave remaining un-availed during a particular academic year would lapse at the end of the academic year, and will not be carried over to next year of the course. However, Leave exceeding the duration of admissible leave for the year may be adjusted against leave due for subsequent years on recommendation of HOD /Head of the Institution provided it does not exceed 10 days in an academic year.

7.6 In case a student takes more leave than the prescribed leave, or remains absent from training without proper permission, he/she shall not be allowed to appear in the university examination until he/she completes the shortage of training, which may have occurred due to extra leave/ unauthorized absence, by undergoing further training beyond the normal duration of the course. The student will not be entitled for any pay for this training period. Extra duties undertaken during the normal duration of the course would not compensate the shortage of training.

7.7 The conditions mentioned in clause 7.1 to 7.5 are to be fulfilled by all candidates independent of requirements under clause 12.2 to be eligible for appearing in the examination for the post graduate MDS Degree.

7.8 The concerned Head of the institution should issue a notice to the student(s), who remains absent from training without permission of competent authority (HOD/ Head of the Institution) for a period exceeding 7 days. The name of any student, who remains absent from training without proper permission of competent authority (HOD/ Head of the Institution) for a period exceeding 30 days, would be removed, on the advice of concerned Head of the Institution, from the rolls of the Institution and the University, and his/her registration for the course would be cancelled. Such student would not be allowed to join any other PG/ Post Doctoral course during the remaining duration of the course from which the registration has been cancelled.

Definition of Teaching Institute.

The Teaching institutes would be those which are maintained or admitted to its privileges by the University including affiliated institutes.

8. PERIOD OF TRAINING

The period of training for the award of various Postgraduate degree shall be as three completed years including the period of examination:

9 MIGRATION/ TRANSFER OF POSTGRADUATE STUDENTS FROM ONE MEDICAL/DENTAL COLLEGE OR INSTITUTION TO ANOTHER.

Under no circumstances, Migration/ transfer of students undergoing any Postgraduate MDS Degree course from one institution to another institution even within the University of Delhi, or to any other University in India or abroad for any MDS course will be permitted by the University of Delhi/**any other authority.**

10. DEPARTMENTAL TRAINING FACILITIES.

A Department, having an independent academic identity in a teaching institution, comprising of one or more units, having the minimum strength of faculty, staff, clinical material etc as prescribed / notified by DCI from time to time shall be recognized for Postgraduate training.

10.1 As per recent MDS course regulation 2007,DCI, to strengthen and maintain the standard of postgraduate training, the Council has recommended the following minimum faculty requirement for starting and continuation of post graduate training programmes. Department with one professor, three Readers/ Associate professor & Assistant professor will make a unit and permitted to have three MDS admissions. Further it is also to state that the unit consisting of one Professor, three Readers/ Associate Professor and Assistant Professor will collectively teach and train the students admitted.

Provided that the second or subsequent additional unit may be headed by an three Readers/ Associate Professor and **Assistant Professor.**

Taking into consideration the training requirements in terms of infrastructure and clinical material a maximum of three units in any postgraduate degree department will be allowed. Each unit can enroll a maximum of three students in a year.

A department, which does not have the above staff pattern, shall not start a postgraduate course in that speciality.

Of these Faculty members only those who possess a total of eight years teaching experience out of which at least five years teaching experience as Assistant Professor/ Associate Professor gained after obtaining Postgraduate degree, may be recognized as Postgraduate Teachers/ Supervisors.

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10.2 MINIMUM REQUIREMENT FOR A POSTGRADUATE INSTITUTION:

(a) An Institution conducting both Undergraduate and Postgraduate teaching shall satisfy the minimum requirements for Undergraduate training as prescribed by Dental Council of India and shall also fulfill additional requirements for Postgraduate training depending on the type of work being carried out in the Department. The extra staff required to be provided in various Department shall be as per DCI norms.

(b) A Department imparting only Postgraduate training shall:

i) Provide facilities consistent with the all round training including training in Basic Sciences and other Department related to the subject of training as recommended by the Dental Council of India.

ii) Should have sufficient infrastructure and other facilities for teaching purposes as per DCI requirements.

iii) Make available facilities of ancillary speciality medical and dental Departments for coordination of training.

10.3 LABORATORY FACILITIES

The Institutions shall have adequate Laboratory facilities pertaining to the speciality for the training of the Postgraduate students these labs shall be regularly updated, keeping in view the advancement of knowledge and technology, and research requirements, and for training of students contemporary Laboratory facilities shall be made available.

10.4 EQUIPMENT

The Department shall have adequate number of all equipment including the latest ones necessary for training and as may be prescribed by the Council for each specialty from time to time.

11. NUMBER OF POSTGRADUATE STUDENTS TO BE ADMITTED

The Number of post graduate student for MDS would be to a maximum of three per unit per year or as determined by the Dental Council of India.

12. TRAINING PROGRAMME

12.1 The Teaching and practical training programme shall through few didactic lectures, journal club, seminars, symposium and regular posting in clinic to acquire adequate skills and competency in managing various cases. All Post graduates will acquire teaching skills by participating in undergraduate teaching programmes. Participation in conferences/advanced courses, conferences and posting/rotation in allied fields should be included.

12.2 All candidates joining the Postgraduate training programme shall work as 'full time Residents' during the period of training and shall attend not less than 80% (Eighty percent) of the imparted training during each academic year including assignments, assessed full time responsibilities and participation in all facts of the education process. Eligibility for examination will be as per rule laid down in Clause 7.7.

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12.3 (a) The Courses Committee in such subject shall work out the details of training programme including syllabus/ curriculum.

b) Each Institution, having Postgraduate training programme, shall set up an Academic Cell under the Principal/ Dean/ Director or a Senior Professor to monitor the Postgraduate teaching and training according to the Ordinance of University of Delhi.

c) The training programme shall be updated as and when required. The structured training programme shall be written up and strictly followed to enable the examiners to determine the training undergone by the candidates and the Dental Council of India Inspectors to assess the same at the time of inspection.

d) Postgraduate students shall maintain a record (log) book of the work carried out by them and the training programme undergone during the period of training.

e) The record (Log) books shall be checked and assessed **periodically** by the Faculty members imparting the training. **Annual report through the Head of the Institution shall be submitted to the Faculty of Medical Sciences.**

12.4 During the training in clinical disciplines, there shall be proper training in basic medical sciences related to the disciplines concerned; during the training for the degrees to be awarded in basic medical sciences, there shall be training in applied aspects of the subjects; and there shall be training in allied subjects related to the disciplines concerned. In all Postgraduate training programmes, both clinical and basic medical sciences, emphasis is to be laid on preventive and social aspects and emergency care Facilities.

13. EXAMINATIONS

13.1 The university examination shall consist of theory, practical and clinical examination and viva-voce and Pedagogy.

(i) **Theory:**

Part-I: Shall consist of one paper

There shall be a theory examination in the Basic Sciences at the end of 1st year of course. The question papers shall be set and evaluated by the concerned Department/Specialty. The candidates shall have to secure a minimum of 50% in the Basic Sciences and shall have to pass the **Part-I** examination at least six months prior to the final (Part-II) examination.

Part-II: Shall consist of three papers namely:-

- (ii) Practical and Clinical Examination;
- (iii) Viva-voce; and
- (iv) Pedagogy;

A candidate who wishes to study in a second specialty, shall have to undergo the full course of three years duration in that specialty.

13.2 Each component of the examinations shall be evaluated by the marking system and the result will be recorded and communicated in terms of 'pass or fail'. A student, in order to pass the examinations, must secure a minimum grade equivalent to not less than 50% marks in theory as well as in practical/ clinical separately.

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13.3 INTERNAL ASSESSMENT:

- 1) Student should be assessed on day to day performance as they shall be maintaining the log book, presenting journal clubs, seminars etc.
- 2) The Internal Assessment should be done by the Faculty members of the concerned Department of the institutions.
- 3) A Postgraduate student would be required to present one oral/ poster presentation, to read one paper at a national/state conference and to present one research paper which should be published/accepted for publication/sent for publication during the period of his postgraduate studies so as to make him eligible to appear at the postgraduate degree examination. A certificate to this effect must be provided by the Head of the Institution at the time of issue of admit card.

13.3a. Scheme of Examination:

Theory :	Part – I: Basic Sciences Paper	100 Marks
	Part – II: Paper – I, Paper – II & Paper – III	300 Marks (100 Marks for each Paper)

Written examination shall consist of Basic Sciences (Part – I) of three hours duration shall be conducted at the end of First year of MDS course. Part – II Examination shall be conducted at the end of Third year of MDS course. Part – II Examination shall consist of Paper – I, Paper – II and Paper – III, each of three hours duration. Paper – I & Paper – II shall consists of two long answer questions carrying 25 marks each and five questions carrying 10 marks each. Paper – III will be on Essays. In Paper – III three Questions will be given and student has to answer any two questions. Each question carries 50 marks.

13.4 EXAMINERS:

Part-I: There shall be one internal and one external examiner for three students appointed by the affiliating university for evaluating the answer scripts of the same specialty. However, the number of examiner/s may be increased with the corresponding increase in number of students.

Part-II: There shall be four examiners in each subject. Out of them, two (50%) shall be external examiners and two (50%) shall be internal examiners. Both external examiners shall be from a university other than the affiliating university and one examiner shall be from a university of different States.

B. QUALIFICATION AND EXPERIENCE FOR EXAMINERS:

The qualification and experience for appointment of an examiner shall be as under:-

- (i) Shall possess qualification and experience of a Professor in a post-graduate degree programme;
- (ii) A person who is not a regular post-graduate teacher in the subject shall not be appointed as an examiner;
- (iii) The internal examiner in a subject shall not accept external examinership in a college for the same academic year;

- (iv) No person shall be appointed as an external examiner for the same institution for more than two consecutive years. However, if there is a break of one year, the person can be re-appointed.

B. APPOINTMENT OF EXTERNAL EXAMINERS:

1. There shall be at least four examiners in each subject at an examination in each center for practical examination, out of whom at least two shall be external examiners. The external examiner who fulfils the condition laid down in clause-A above shall be invited from another recognized University.
2. The thesis shall be examined by two external examiners, who shall not be the Examiners for theory and clinical examination.
3. A Post-graduate supervisor recognized under University of Delhi cannot act as external examiner for any of the MDS examinations of University of Delhi under Faculty of Medical Sciences.
4. The theory examinations shall be held well in advance before the clinical and practical examination, so that the answer books can be evaluated before the commencement of the clinical/ Practical and Oral examination.
5. There shall be a Chairman of the Board of paper-setters who shall be an external examiner and shall moderate the question paper.
6. Where there is more than one center of examination, the senior most internal examiner shall be appointed as Coordinator by the University, who shall supervise and coordinate the examination on behalf of the University with independent authority. The Committee of Courses and Studies of respective disciplines shall recommend the name of Coordinator. A meeting of the board of examiners will be held at one institute conducting the examination, on yearly rotation basis, on first day of practical examination before commencement of examination.
7. In case two external examiners do not turn up, that particular subject examinations should be postponed.

C. APPOINTMENT OF INTERNAL EXAMINERS

1. Every teacher must inform to the Chairman, Committee of Course and Studies in writing through his/ her concerned Head of the Department/ Institutions/ that he/she/ qualifies as examiner by 30th October.
2. No person shall be appointed internal examiner, unless she/he is holding appointment on a full time teaching post of Professor in a Dental college/ teaching institute.
3. Every year, a panel of teachers eligible for appointment as internal examiners will be prepared by Faculty of Medical Sciences for each subject, separately for each teaching institution where the course is being conducted, based on the total continuous services in the category concerned. There will be 2 internal examiners. One of them will be professor and head of that speciality and the other internal examiner will be appointed from amongst the remaining eligible faculty on yearly rotation basis.
4. The Committee of Course and Studies will recommend the name of examiners and coordinator, at least three months prior to the commencement of examinations.

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5. In the event of transfer or retirement of an internal examiner, the person concerned may remain as examiner, in case the examination is held within six months of the transfer/ retirement of the incumbent concerned. However, no T.A. / D.A. shall be admissible to them.

6. During an academic year, the Internal Examiners in a subject shall not accept External Examiner-ship in a college form which an External Examiner has been appointed for postgraduate/ postdoctoral examination in their department.

7. No teacher appointed as internal examiner should refuse examiner ship. In case of genuine hardship like illness, the application seeking exemption from examiner- ship should be submitted through Head of the Institution. The teacher seeking exemption shall be appointed as internal examiner for next year examinations.

D. CONDUCT OF PRACTICAL EXAMINATION

1. Duration of examinations/ center(s) for practical examination in different subject will be recommended by the individual Committee of Courses and Studies of the subjects concerned.

2. The maximum number of candidates to be examined in clinical/ practical and oral examination on any day shall not exceed eight.

3. Examination must be held for minimum of two days.

4. The postgraduate practical examinations in various subjects shall be held either separately or at one centre in institution(s) provided that the particular course is being conducted in that institution and students are appearing from that Institution. The Committee of Courses and Studies of the respective discipline shall allocate the centre(s) for practical/ clinical examination.

13.5 Number of Examinations

The University shall conduct not more than two examinations in a year for any subject, with an interval of not less than 4 and not more than 6 months i.e. annual examination in 2nd fortnight of April and supplementary examination in 2nd fortnight of September every year.

14. THESIS-Applicability and allocation of Supervisors

14.1 Every candidate pursuing MDS Course shall carry out work on an assigned research project, under guidance of recognized postgraduate teacher(s), the results of which shall be written up and submitted in the form of a thesis. On acceptance of the thesis by the examiners, the candidate shall appear for the final examination.

14.2 Work for writing the Thesis is aimed at contributing to the development of a spirit of enquiry, besides exposing the candidate to the techniques of research, critical analysis, acquaintance with the latest advances in medical sciences, and the manner of identifying and consulting available literature. Thesis shall be submitted as per the schedule decided by the Board of Research Studies and at least 6 months before the commencement of the final Theory and Clinical/ Practical examinations.

14.3 Professor & H.O.D. shall be the Supervisor of not more than 2 candidates in each specialty (Or only 2 candidates). Amongst the remaining Professor, Associate Professor and Assistant Professor who are recognized PG teachers shall be the Supervisor on yearly rotation basis, if the number of seats are more than two in any specialty.

14.4 Incorporation of recognized PG teachers as co-supervisor should be **included** in the department where the number of recognized PG teachers is more than the yearly uptake of PG student. However, the number of co-supervisors, including those from parent department, should not exceed four for any PG Student. Before incorporating a PG teacher from department other than parent department as Co-Supervisor, the consent of the HOD of the PG teacher should be obtained.

14.5 In case a co-supervisor is required to be included, due the nature of the research, from a non-teaching department/ institution, the Board of Research Studies may grant necessary permission, on recommendation of the PG Cell, for the person to be associated as co-supervisor in the particular thesis after considering the qualification, experience, and designation of the person.

14.6 In case, the supervisor leaves the institute before submission/ acceptance of a thesis, co-supervisor or any other PG teacher from the parent department may be appointed as supervisor **provided he/she fulfils the criteria**, for getting the thesis completed by Head of Department of the Institution, under intimation to Faculty of Medical Sciences.

14.7 In case a P.G. student leaves the course in between the supervisor concerned should be allotted a student next year on priority basis.

14.8 If a teacher is superannuating within 4 months of the last date of submission of thesis, he cannot be supervisor, however, he can be one of the co-supervisor.

15 THESIS- Time schedule, format etc.

15.1 The thesis work must be undertaken strictly, according to stipulated time frame as decided by the Board of Research Studies (BRS), to ensure proper scrutiny of the thesis- protocols, ample time to student for research, timely evaluation of thesis and scope for resubmission of thesis- protocol or thesis if required, as under: **Appendix III.**

15.2 Thesis submission Dates :

MDS Courses – 15th Oct (during 3rd year of the course)

15.3 No extension of time shall ordinarily be granted for submitting the thesis-protocol/ thesis beyond the last date stipulated for the purpose. The BRS may allow submission of the thesis-protocol/ thesis beyond the last date for genuine reasons on recommendations of Head of the institution. In case of such late submissions a maximum of 2 weeks time would be granted with late submission fee of 1000/- per week.

15.4 A student may be debarred from appearing in the examination / and his/her registration for postgraduate course may be cancelled on the recommendations of BRS, if he/she fails to submit the thesis-protocol/ thesis to the department by the last date fixed for the purpose and his/her work or conduct is reported to be not satisfactory by the Supervisor/ the Head of the department/ Head of the institution. Such student shall be debarred from joining any other PG/ Post Doctoral course for a period of five years from the date of cancellation of his/her registration.

15.5 Thesis – protocol

While selecting a topic for research and designing the research project, among other things, the following aspect should be taken care of:

- (i) The feasibility of conducting the study within available resources and time frame.

(ii) In case of interventional studies involving animal or human subjects, the projects and concerned departments should fulfill the ethical and other requirements necessary for human/animal experiments, and necessary approval should be obtained as required under rules and regulations in force.

(iii) The project design should satisfy the statistical requirements in respect of sample size, and proposed analysis of data.

iv It must be ensured that the same thesis topics are not repeated year after year. The thesis-protocol must accompany a disclosure/ explanation if a similar study has been undertaken already under University of Delhi during last five years.

v Thesis-protocol should be submitted in the following format:

Title Page	Page 1
Certificate from Institution	Page 2
Introduction/ background including lacunae in existing knowledge	Page 3
Brief review of literature	Page 4-6
Objectives of research project	Page 7
Patients/ Subjects/ Materials and Methods including plan of statistical evaluation	Page 8-10
Index of references (Vancouver system of references) Appendix, if any (consent form, data sheet etc.)	Page 11-12

The thesis protocol must be presented and discussed in the meeting of the college department before it is finalized. Each protocol should be considered and approved by the PG Cell of the Institute before the protocol is submitted to Faculty of Medical Sciences. PG Cell should, among other things, ensure that the design of protocol fulfills the statistical requirements. The need for consideration of the protocol by Institutional Ethics Committee must be considered. PG Cell must obtain clearance from the Institutional Ethics committee before giving approval in cases in which such clearance is needed.

One month before the last date of submission of thesis to Faculty, each institute should send a list of the thesis being processed by PG Cell in the following format: SN, Institution, Department, Candidate, Supervisor, and Title; to facilitate appointment of examiners. An electronic copy of the list on a floppy/compact disc should be sent along with a printed copy.

The Head of the Institution, while forwarding the protocols to Faculty of Medical Sciences, should certify that the thesis protocol fulfills all the requirements stipulated by Faculty of medical sciences, University of Delhi, and should identify the protocols which have been considered and approved by Institutional Ethics committee.

The protocols would be referred to the respective Head of the University Department for observations. In case the observations of the HOD are not received within stipulated time, approval of the HOD would be assumed. The protocols, marked by HOD, would be referred back to supervisor with approval of Chairman, Board of Research Study (BRS), through Head of the Institution, for suggested clarifications/ modifications within specified time frame. The thesis-protocols, revised thesis-protocols, comments of HOD(s), and related matters would be submitted to BRS for consideration and approval.

Any request by candidate for revision in the thesis-protocol approved by BRS should have recommendations of the institution and should be received in office of Faculty of Medical Sciences within 2 months of BRS meeting in which protocol was approved. The Chairman BRS, in consultation with concerned HOD, would take a decision in the matter. In case of dispute, the Chairmen may place the matter before an emergent meeting of BRS.

15.6 Thesis

Three hard copies and one electronic/softcopy of the thesis should be submitted in the following general format **Title Page:** title page should mention the topic of the thesis, Degree (with discipline) for which the thesis is being submitted, name and educational qualifications of the candidate, supervisor and co-supervisor(s), name of the institution where the thesis has been undertaken, and duration of the course.

Declaration by candidate: The candidate must submit a declaration that the contents of the thesis have not been submitted earlier in candidature for any degree. The candidate should also give a written consent for permitting availability of the thesis for photocopying and inter-library loan to other institutions.

Certificate from Institution: The thesis should be accompanied by a certificate issued by the supervisor, and co-supervisor, head of the department, and countersigned by the Head of the institution certifying that the candidate has undertaken the thesis work in the department under the direct guidance of the supervisors and that the thesis fulfils all the requirements stipulated by Faculty of Medical Sciences, University of Delhi.

Acknowledgements

Presentation of thesis results to scientific forums and publications in scientific Journals, if any

Table of contents

Glossary of abbreviations

Text of thesis:

Introduction/background Review of
literature Objectives of research
Patients/Subjects/Materials and Methods
Results
Discussion
Conclusions and recommendations

Index of references: Vancouver system of references

Appendix Summary of the thesis: Each copy of thesis should be accompanied by a summary of the thesis ordinarily not exceeding six pages.

The thesis should not exceed one hundred pages. The text of thesis should be printed in 12 point font size letters, on both side of A4 size paper in double space, with at least 2.5cm margin and

justification on both sides. The spine of the thesis should show the short title of the thesis, the degree (with subject) for which the thesis is being submitted, and the duration of the course.

15.7 Presentation/ Publication of Thesis results

The students would be encouraged to present the results of their thesis to scientific forums and to publish it in scientific journals.

16. EXAMINATION OF THE THESIS

16.1 There shall be two external examiners and one referee to examine each thesis. The supervisors of the each thesis would jointly suggest names of 5 persons for inclusion in the panel of examiners/referee for the theses to the Committee of Courses and Studies (CCS). The CCS of each department should recommend names of two examiners, one reserve examiner and one referee for thesis of each candidate before the last date of submission of these. Not more than three theses can be referred to a particular examiner/referee in a particular Academic year.

16.2 The examiners would be required to evaluate the thesis with help of prescribed structured evaluation protocol {Appendix-II} and grade each thesis in the following terms: Accepted/ To be resubmitted after modification as suggested/or Rejected. Both the examiners should accept the thesis before the candidate is allowed to appear in the final examination. In case of rejection of the thesis by one of the two examiners, the thesis would be referred to the Referee.

16.3 Resubmitted thesis would be evaluated by the original set of examiners/referee except in case of their refusal to re-evaluate the thesis, or their non-availability. The referee would substitute the examiner, who has rejected the thesis, for evaluation of the resubmitted thesis in cases where one of the two examiners has rejected the thesis on initial evaluation. The thesis would be allowed to be resubmitted only once. A resubmitted thesis, if not accepted by both the examiners/referee, would be taken as 'Rejected'.

17 THEORY EXAMINATION:

17.1 There shall be three theory papers, out of which two shall be pertaining to the specialty and one shall be essay. Each paper shall be of three hours duration as detailed below for each subject. The Paper-I an applied basic sciences will be held at the end of 1 year of MDS Course as detailed in Clause 12(1)(4) 13(i)(i)

Prosthodontics and Crown & Bridge

Paper-I-	Removable Prosthodontics and Oral Implantology
Paper-II-	Fixed Prosthodontics
Paper-III-	Essay

Periodontology

Paper-I-	Etiopathogenesis
Paper-II-	Clinical Periodontology and Oral Implantology
Paper-III-	Essay

Oral & Maxillofacial Surgery

Paper-I-	Minor Oral Surgery and Trauma
Paper-II-	Maxillofacial Surgery and Oral Implantology
Paper-III-	Essay

Conservative Dentistry and Endodontics

Paper-I-	Conservative dentistry & Aesthetic Dentistry
Paper-II-	Endodontics
Paper-III-	Essay

Orthodontics & Dentofacial Orthopaedics

Paper-I-	Diagnosis and treatment planning
Paper-II-	Clinical Orthodontics and Mechanotherapy
Paper-III-	Essay

Oral Pathology & Microbiology

Paper-I -	Oral pathology, Microbiology and Oncology
Paper-II -	Laboratory Techniques and Diagnosis
Paper-III -	Essay

Public Health Dentistry

Paper-I -	Public Health
Paper-II -	Dental Public Health
Paper-III -	Essay

Pedodontics & Preventive Dentistry

Paper-I -	Clinical pediatric dentistry
Paper-II-	Preventive and community dentistry as applied to pediatric dentistry
Paper-III-	Essay

Oral Medicine and Radiology

Paper-I-	Diagnosis, diagnostic methods and imageology and Applied Oral Pathology
Paper-II-	Oral Medicine, therapeutics and laboratory investigations
Paper-III-	Essay

There shall be three theory papers, out of which two shall be pertaining to the specialty one shall be an essay. Each paper shall be of three hours duration.

The theory examination shall be held **well in advance before** the clinical and practical examination, so that the answer books can be assessed and evaluated before the **commencement** of the Clinical/ Practical and Oral examination.

17.2 CLINICAL / PRACTICAL/ ORAL

(i) Clinical examination for the subjects in Clinical Sciences shall be conducted to test the knowledge and competence of the candidates for undertaking independent work as a specialist/teacher, for which candidate shall examine a minimum one long case and two short cases.

(ii) The Oral examination shall be thorough and shall aim at assessing the candidate's knowledge and competence about the subject, investigative procedures, therapeutic technique and other aspects of the specialty which form a part of the examination.

A candidate shall secure a minimum grade equivalent to not less than 50% marks separately in each head of passing i.e. (1) Theory Examinations, and (2) Practical/ Clinical Examinations including oral examinations.

18. FEE STRUCTURE

18.1 Annual

Tuition Fee (ANNUAL)	` 13000.00
LIBRARY Fee (ANNUAL)	` 500.00
Athletic Fee (Annual)	` 10.00
Cultural Council Fee (Annual)	` 5.00
N.S.S. Fee (Annual)	` 20.00
Faculty Management Fee (Annual)	` <u>1465.00</u>
TOTAL=	` 15000.00

THESIS PROTOCOL FEE = ` 250.00

THESIS FEE = ` 5000.00

EXAMINATION FEE = ` 5000.00

NOTE: Full first year fee has to be paid at the time of admission, and six monthly during 2nd and 3rd year only.

18.2 A bond worth Rs. 5.0 lacs with two sureties should be obtained by the admitting institutions for each student at the time of their admission. In case the student leaves the course in between, he/ she will have to deposit the bond money with the institution concerned. For this purpose the original certificate of the students should be kept in the institution and be returned only after paying the said bond money / **or on completion of 2/3 years course as applicable.**

Thirty percent of the bond money thus collected will be deposited with the University (Faculty of Medical Sciences) by the institution by 31st March every year and the rest could be utilized by the Institution for development of P.G. teaching and training programmes.

18.3 Each student shall deposit ` 10,000/- as security in the institution at the time of admission which will be returned only on completion of the course.

19. REQUIREMENTS FOR ADMISSION TO POST-GRADUATE DEGREE:

Candidate must have completed satisfactorily one year of compulsory rotating internship after passing the final BDS examination from the University of Delhi on or before 31st March of the admission year and must have full registration with the State Dental Council.

20. PROCEDURE FOR SCREENING TEST FOR MDS COURSES

20.1 The screening test for **50% seats** will be conducted on behalf of the DGHS, Ministry of Health (as per the direction of Hon'ble Supreme Court of India). The entrance test for **remaining 50% seats** will be conducted by the University of Delhi.

20.2 The **Examination wing of the University of Delhi** will hold a written screening test at Delhi for selection of candidates for admission to MDS degree courses in second week of February every year. The candidates will be informed about the place of the screening test.

20.3 The screening test will consist of the following two papers.

Paper I - will consist of 100 questions in pre and paraclinical subjects. It will be of one hours duration and will carry a maximum of 400 marks.

Paper II - will consist of 200 questions in clinical subjects. It will be of two hours duration and will carry a maximum of 800 marks.

The questions in paper I & II will be of objective type with multiple choices (1), (2), (3) & (4) of which only one choice/ response will be the most appropriate/ correct one. Each question will carry 4 marks. For each correct response, the candidate will get 4 marks. There will be no negative marking for wrong answer.

The answer sheet will be placed inside the test book. The candidates will do rough work on the test book and NOT on the answer sheet. Candidates will enter only their Roll Nos. and other particulars and the responses to the questions on answer sheet.

The Screening Test shall cover all the subjects covered during the MDS course, such as:

Paper I - Pre and para-clinical subjects i.e. Pathology, Physiology, Pharmacology, Medicine, Medical Microbiology, Medical Biochemistry and Anatomy etc.

Paper II - Clinical subjects i.e. Prosthodontics, Conservative, Ortho, Oral & Maxillofacial Surgery, Periodontics, Pedodontics, Public Health Dentistry & Oral Medicine & Radiology, Oral Pathology.

Admission shall be made for all subjects in order of merit on the basis of the screening test. Minimum marks required in the entrance test for eligibility for admission to MDS Courses shall be **50% for candidates belonging to General Category and 40% for the candidates belonging to the SC/ ST and OBC Categories 45% for handicapped.**

NOTE: NO TA/DA WILL BE ADMISSIBLE FOR APPEARING IN THE SCREENING TEST

20.4 RESERVATION FOR SC/ ST CANDIDATES:

Seats in MDS degree course for candidates belonging to Scheduled Caste and Scheduled Tribe candidates will be reserved @ 15% & 7½ % respectively.

A SC/ ST candidate while applying for admission to any of the courses will attach a certificate along with the application form to the effect that he/she belongs to SC/ ST from any one of the competent authorities as listed below without which concession of SC/ ST shall not be given: I. District Magistrate/ Addl. District Magistrate/ Deputy Commissioner/ Collector/ Addl. Deputy Commissioner/ Deputy Collector/ First Class Stipendiary Magistrate/ Executive Magistrate/ Extra Assistant Commissioner.

- II. Chief Presidency Magistrate/ Addl. Chief Presidency Magistrate/ Presidency Magistrate.
- III. Revenue Officer not below the rank of Tehsildar.
- IV. Sub-Divisional Officer of the area where the candidate and/ or his/ her family normally resides.
- V. Administrator/ Secretary to administrator/ Development Officer (Laccadive and Minicoy Islands)

20.5 RESERVATION FOR OBC CANDIDATES

Slater *Agar* *MA* *MB* *Araditya & U...* *M. Induli-18*

Seats for OBC category candidates will be reserved in proportion to the increase in number of seats required for implementing 27% reservation for OBC category candidates as per provisions of the central educational Institution (Reservation in Admission) Act 2006.

20.6 PROCEDURE FOR ADMISSION AND ASSIGNMENT OF INSTITUTIONS:

20.6.1 Admissions would be made strictly on the basis of the merit of the candidate determined by the Screening Test.

In case there is tie of marks in the result of Screening Test the following procedure will be adopted for breaking the tie.

- i) The candidate who has got more marks in the final profession of MBBS examination will be given preference for admission.
- ii) If the candidate in the tie of marks have equal marks in the Final Profession MBBS examination, then the candidate older in age will be given preference for admission.

20.6.2 The candidates, in order of merit, will be required to appear before Admission Committee constituted by the Board of Research Studies for Medical Sciences during 2nd week of April and final Counselling will be **done in the last week of May. The admissions will be closed on 31st May.**

20.6.3 When a candidate appears before the aforesaid Committee he/she would be informed of the available subjects and Institutions in which the courses are available. From among the subjects and the Institutions available at the time of his/her Counseling, he/she would be entitled to select only one subject and one Institution and he/she would be allotted the said subject and the said Institution. However, in case a candidate opts for a subject and an Institution at the Initial Counseling, gives in writing to the Faculty Office before the date stipulated for joining the course that he/she would not be joining the said course and that his/her name may be kept in the waiting list for Final Counseling, the name of the said candidate would be included in the waiting list.

20.6.4 If any seat fall vacant in any subject in any Institution during the course of Counseling or thereafter, the same would be filled in the Final/next Counselling, from the waiting list on merit in the same manner as mentioned above.

20.6.5 While filling up vacant seat on account of drop out or surrender of seats candidates who have already joined the allotted subject and Institution will not be considered and only candidates in the waiting list based on merit position will be considered in the Final / next Counseling.

20.6.6 The candidate who has been offered a seat in the Initial Counselling and has accepted the offer but has not surrendered his/her seat (in writing) before the stipulated date and has also not joined the said course, he/she will not be entitled to be placed on the waiting list and will also be debarred in the subsequent Screening Tests till the duration of the Course is over. It is clarified that the candidates offered admission in the Final Counseling have no right to surrender their seats and no extension for joining_{st} will be given beyond 31st May and if they do not join the Course concerned on 31st May, they will be debarred in the subsequent Screening Test till the duration of the Course concerned is over.

20.6.7 A candidate who does not wish to be admitted to any of the subjects available at the time of his/ her Counseling, may give in writing to the said effect He/She will be placed in the waiting list

and will be considered for admission to the vacant seats, if any, in the Final/next Counseling in order of merit.

The candidates should bring (in original) or the following documents at the time of Counseling.

- i) High School/ Higher Secondary Certificate for verification of the date of birth.
- (ii) MDS degree.
- (iii) Detailed marks certificates of the 1st, 2nd, 3rd & Final BDS Examination.
- (iv) The compulsory rotating internship certificate.
- (v) Employer's Certificate. If employed (as given in the application form).
- (vi) Registration Certificate with State Dental Council/Dental Council of India.
- (vii) SC/ST certificate, if applicable.
- (viii) A copy of the letter of allotment under the 50% All India Quota by the Director General of Health Services and proof in regard to permanent residence in the National Capital Territory of Delhi.

and a school certificate that he/ she has passed 10th, 11th and 12th classes from NCT Delhi.

NOTE:-

A. The candidate should also bring with him/her at the time of Counselling a demand draft **on any nationalized bank** for required amount drawn in favour of the Registrar University of Delhi payable at State Bank of India, Delhi University Branch, Delhi.

B. A candidate who withdraws his/ her name for admission to MDS Course may collect demand draft from the Faculty office before 15th July. Thereafter no refund shall be made under any circumstances.

21. SPAN PERIOD:

- (i) Students admitted to MDS courses should pass the degree examination within 5 years after registration to the course.
- (ii) Salary in lieu of the training period will only be payable for the regular duration.

EXPLANATION: If a student leaves after submission of thesis and wants to continue study during the span period he/ she will not be entitled for salary.

22: DISCIPLINE

- 24.1 The student shall submit himself/herself to the disciplinary jurisdiction of the Vice-Chancellor and the several authorities of the University who may be vested with the authority to exercise discipline under the Act, the Ordinance, and the Rules that have been framed by the University from time to time.
- 24.2 The Student would undergo the course on full-time basis, no private practice, part-time job, being permissible during the duration of the course.

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- 24.3 University can remove the name of the student from the rolls in case his/her work or conduct is reported to be not satisfactory by the Supervisor/Head of the Department/Head of the Institution. An undertaking to this effect should be obtained from the student at the time of admission.

Note : The eligibility condition and procedure for admission to MDS courses may be revised according to DCI / Ministry of Health and Family welfare, Govt. of India/ Orders of the Hon'ble court.

FACULTY OF MEDICAL SCIENCES
UNIVERSITY OF DELHI

Confidential

Evaluation report of Thesis for MDS.

Name of Courses: _____

Title of the Thesis: _____

Name of the Candidate: _____

Recommendation by the Examiner (Scheme of Evaluation of Thesis printed overleaf,

Please (✓) mark against the appropriate column)

1. Thesis Accepted ☐ Thesis Rejected ☐ To be resubmitted ☐
after suggestion

2. Comments on thesis (including reason for Rejection / Suggestion for Modification
(if applicable)

(Please use additional sheet(s), if necessary)

Date: _____

Signature of Examiner

Place: _____

Name: _____

Designation: _____

Address: _____

Slater
Man
11/8
Pratya S. S. S.
Pratya S. S. S.
-22-

✓

FACULTY OF MEDICAL SCIENCES UNIVERSITY OF DELHI
Scheme of evaluation of Thesis

Section		Adequate	Marginal	inadequate or not included
	Appropriateness			
	Clarity and brevity			
	Focus on topic (does it raise interest in the reader)			
	Purpose of study			
	Mention of lacunae in current knowledge			
	Hypothesis, if any			
	Relevance			
	Completeness			
	Is it current and up-to-date			
	Mention of the type of study (prospective, retrospective, controlled, double)			
	Detail of subjects and controls			
	Details of materials (apparatus, experimental design)			
	Procedure used for data collection (Questionnaire)			
	Statistical methods employed, level of significance considered			
	Statement of limitation			
	Mention of ethical issue involved			
	Logical Organization in readily identifiable			
	Correctness of data analysis			
	Appropriate use of charts, tables, graphs, figures, etc.			
	Statistical Interpretation			
	Objectivity of interpretation			
	Relevance (within framework of study) and appropriateness for date			
	Interpretation of implication of result			
	Resolution of contradictory of result			
	Statement of limitation of interpretation (Mention of appropriate caution while stating inferences)			
	Mention of unanswered questions			
	Mention of new questions raised			
References				
Appendices	Whether all required annexure and appendices are included, e.g. the clinical proforma, the questionnaire used etc.			

Signature of examiner

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MAIDS

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For correction please

Appendix III

***SUBMISSION OF THESIS PROTOCOL AND THESIS FOR MDS AND SUPER
SPECIALTY COURSES TO THE FACULTY OF MEDICAL SCIENCES**

Course	Thesis Protocols submission	Thesis submission
(a). MDS	(a) 30 th October of the 1 st year of the course	15 th 31st October (of the 3 rd year of the course)

* Subject to change on recommendation of the Board of Research Studies (BRS).

The Protocols will be reviewed by the Head of the Departments within four weeks after receipt of the protocols by the Faculty of Medical Sciences. Any Comments/revision of protocols, if necessary should be communicated by the HOD Faculty of Medical Sciences to the candidate and the Institution within four weeks of submission of the protocols. The revised Thesis protocol should be received not later than eight weeks from the actual date of submission (i.e. 30th October for MD/MS/MDS and ~~30th November for Super specialty courses~~). The BRS should consider the protocols by 15th January for MD/MS/MDS ~~courses and 15th February for Super Specialty courses~~ and communicate the approval to the Institution and candidates.

Any request by candidate for revision in the thesis-protocol after approved by BRS should have recommendations of the institution and should be received in office of Faculty of Medical Sciences within 2 months of BRS meeting in which protocol was approved. The Chairman BRS, in consultation with concerned HOD, would take a decision in the matter. In case of dispute, the Chairmen may place the matter before an emergent meeting of BRS.


10/6/19











