

15. EXAMINATIONS:

15.1 The examinations shall be organized on the basis of **marking** system to evaluate and certify candidate's level of knowledge, skill, and competence at the end of the training. The examination for M.S., M.D., **MDS, D.M.** M.Ch. shall be held at the end of 3 academic years (six academic terms) and for diploma at the end of 2 academic years (four academic terms). An academic term shall mean six months training period.

15.2 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.

15.3 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) **Minimum three tests, one at the end of the 1st year, 2nd at the end of the 2nd year and 3rd, three months before appearing in the final examination should be held and this should be exactly on the pattern of the Final examination.**

4) **A Postgraduate student of a postgraduate degree course in broad specialties/super specialties would be required to present one 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.**

15.4 EXAMINERS:

(As per committee report : Dr. Jain's Committee)

15.5 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.

15.6 DOCTOR OF MEDICINE (M.D.)/ MASTER OF SURGERY (M.S.)

M.D./ M.S. examinations, in any subject shall consist of Thesis, Theory Papers, and Clinical/ Practical and Oral Examinations.

16. THESIS-Applicability and allocation of Supervisors

16.1 Every candidate pursuing Post Graduate Degree 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. There shall be no thesis for Diploma Courses.

16.2 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 1 year before the commencement of the final Theory and Clinical/ Practical examinations.

16.3 It shall be optional for a Department conducting Post Doctoral (DM/ M.Ch.) Courses to include thesis as a part of curriculum. In case the curriculum does not include thesis, it shall be mandatory for a student to publish two research papers, one in 'Journal indexed in Medline and another in 'Journal published by Indian National Academic Societies', in order to become eligible for appearing in the final theory and clinical/ practical examinations. Letter of Acceptance for publication from Journal/ Reprint/ Photocopy of printed article would be accepted as proof of fulfilling the criteria. The Head of the Department and the Institution shall not recommend a student for appearing in the final examinations unless he/ she has fulfilled this criterion.

16.4 The Head of the Department in institution shall appoint recognized P.G. teachers as supervisor/ co-supervisor for thesis in such a manner that each recognized P.G. teacher gets equal opportunity to supervise thesis, under intimation to the Head of Institution along with a statement showing allocation of students to recognized P.G. teachers in the department for the preceding five years. The Head of Institution, on the violation of guideline, may reallocate the supervisor/ co-supervisor at his discretion.

16.5 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 three 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.

16.6 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.

16.7 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.

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

16.9 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.

17 THESIS- Time schedule, format etc.

17.1 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.(Appendix III).

17.2 Thesis submission Dates :

(i) MD/MS/MDS courses – 30th April (at the end of 2nd year of the course).

(i) Super specility courses (where applicable) – 30th November (at the beginning of 3rd year of the course)

17.3 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. **Extension for thesis submission for MD/MS/MDS beyond 30th April may be granted to a maximum of one month with late submission fee of ₹ 1000/- per week. For Super specility courses where applicable, submission of Thesis beyond 30th November may be granted to a maximum of one month with late submission fee of ₹ 1000/- per week.** In case of such late submission, **of thesis beyond one month** the student shall not be allowed to appear in the final examination at the end of normal duration of the course. He/ she may be allowed to appear in supplementary or subsequent

examinations at least six months after submission of the thesis, subject to approval of thesis. No relaxation will be granted in this regard.

17.4 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 within six months of 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.

17.5 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)	Page 11-12
Appendix, if any (consent form, data sheet etc.)	

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.

17.6 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.

17.7 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.

18. EXAMINATION OF THE THESIS

18.1 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.

18.2 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.

18.3 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'.

19 DOCTOR OF MEDICINE (M.D.) AND MASTER OF SURGERY (M.S.) AND MASTER OF DENTAL SURGERY (MDS)

19.1 THEORY

- (i) There shall be four theory papers (MD/MS).
- (ii) Out of these one shall be of Basic Medical Sciences and one shall be of recent advances.
- (iii) 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.

For MDS examination there shall be four theory papers, out of which two shall be pertaining to the speciality, one in applied basic sciences and one shall be an essay. Each paper shall be of three hours duration.

19.2 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) Practical examination for the subjects in Basic Medical Sciences shall be conducted to test the knowledge and competence of the candidate for making valid and relevant observations based on the experimental/laboratory studies and his ability to perform such studies as are relevant to his subject.

(iii) 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.

20. DOCTOR OF MEDICINE (D.M.)/MAGISTER CHIRURGIAE (M.ch.)

The examination shall consist of (i) Theory and (ii) Clinical/Practical and Oral.

20.1 THEORY.

There shall be four theory papers, one paper out of these shall be on Basic Medical Sciences, and another paper on Recent Advances. The theory examination will be held sufficiently earlier than the clinical and practical examination, so that the answer books can be assessed and evaluated before the start of the Clinical/ Practical and Oral examination.

20.2 CLINICAL/ PRACTICAL AND ORAL

Practical examination **may** consist of carrying out special investigative techniques for Diagnosis and Therapy. M.ch. candidates shall also be examined in surgical procedures. **Clinical and Viva Voce** examination shall be comprehensive' **enough** to test the candidate's overall knowledge of the subject.

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.

21. POST-GRADUATE DIPLOMA

Diploma examination in any subject shall consist of theory, **Practical** / clinical and oral

21.1 THEORY

There shall be three theory papers. One paper out of these shall be on Basic Medical Sciences. The examination shall be held sufficiently earlier than the clinical examination, so that the answer books can be assessed before the start of the clinical examination.

21.2 PRACTICAL / CLINICAL AND ORAL

Clinical examination for the subjects in clinical sciences shall be conducted to test/ aimed at assessing the knowledge and competence of the candidate for undertaking independent work as a specialist/ teacher for which a candidate shall examine of one long case and two short cases.

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

The 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.

22. Scheme of Examinations for Post-Graduate and Post-Doctoral courses

22.1 Post-Graduate Degree courses and Post-Doctoral Courses:

- (i) There shall be four theory papers of three hours duration each.
- (ii) Scheme of evaluation in practical examinations shall be determined by individual Committee of Courses and Studies. However, in clinical subjects there should be minimum of one long and two short cases besides other things.

22.2 Post-Graduate Diploma Courses

- (i) There shall be three theory papers of three hours duration each.
- (ii) Scheme of evaluation in practical examinations shall be determined by individual Committee of Courses and Studies. However, in clinical subjects there should be minimum of one long and two short cases besides other things.