



STATUTES & REGULATIONS FOR  
M.D.S. EXAMINATION

UNIVERSITY OF HEALTH SCIENCES, LAHORE

2007

## **INTRODUCTION**

Postgraduate degree courses in dental and medical disciplines were first introduced in the year 1914-1915 by University of the Punjab, Lahore. After the establishment of the University of Health Sciences (UHS), Lahore in 2002, it became the responsibility of UHS to conduct both the undergraduate as well as postgraduate examinations in all dental and medical disciplines. Since the UHS, initially did not have its own curricula nor the rules and regulations for conducting the above mentioned examinations, as a stop-gap arrangement, the rules of the University of the Punjab were adopted. But soon it was realized that the curriculum used for teaching the postgraduate dental courses was devoid of the recent advances and the rules governing the examinations in dental disciplines were outdated. The research components of dental courses were weak and did not provide for innovation and creativity. Consequently, these courses could not enable the students to bring out their true potential in their field of specialization and also in basic dental sciences.

The UHS is a fast growing public health university and is committed to produce highly qualified dental graduates and specialists through comprehensive career oriented programmes. It was therefore, decided that the curricula of the postgraduate programmes be thoroughly and continuously revised to include most recent advances in all dental disciplines to prepare the UHS dental graduates and specialists to meet the challenges of 21<sup>st</sup> century. New rules and regulations for conducting the examination have been formulated to bring the students at par with international standards.

## **STATUTES**

1. The M.D.S. Degree shall be offered in the following subjects:-

- (1) Prosthodontics
- (2) Oral and maxillofacial surgery
- (3) Orthodontics
- (4) Operative dentistry
- (5) Periodontology

Any other subject as recommended by the Advanced Studies and Research Board from time to time and approved by the Syndicate.

2. **Duration of Course**

The duration of M.D.S. Course shall be four years. All M.D.S courses are structured in three parts:

- i. **Part I** is structured for the 1<sup>st</sup> calendar year. The candidate shall undertake training in basic medical and dental sciences, research methodology & biostatistics, behavioural sciences, dental jurisprudence and medical ethics.
- ii. **Part II** is structured for 2<sup>nd</sup> & 3<sup>rd</sup> calendar year. The candidate shall undergo training to achieve educational objectives of the speciality through theoretical knowledge & clinical skills along with their respective rotations.
- iii. **Part III** On successful completion of **Part I** & **Part II**, the candidate shall spend one calendar year on the completion of research & thesis writing along with remaining relevant rotations.

3. **Admission Criteria**

Every candidate for admission shall be required to have:

- 1) B.D.S. degree
- 2) Completed one year House Job
- 3) Registration with PMDC
- 4) Recommendation of the Supervisor
- 5) Passed Entry test
- 6) Interview

Credit for Marks in Professional Examination, Rural/Army Services, additional experience & published research work may also be considered on case to case basis.

## **REGULATIONS**

### **1. Scheme of the Courses**

A summary of four years course in Master of Dental Surgery is presented as under:

		<b>Final Examination</b>
<b>PART-I</b>	<ul style="list-style-type: none"> <li>• Basic medical sciences (Anatomy, Physiology and Cell Biology, Biochemistry, General Pathology and Pharmacology)</li> <li>• Research Methodology and Biostatistics</li> <li>• Oral biology, behavioural sciences, dental jurisprudence and medical ethics</li> </ul>	<ul style="list-style-type: none"> <li>• At the end of 1<sup>st</sup> year</li> <li>• <b>Written:</b> Paper1: Basic Sciences (Anatomy, Physiology and Cell Biology, Biochemistry, Pharmacology Research Methodology and Biostatistics Paper 2: Oral biology, General Pathology and oral pathology, behavioural sciences, dental jurisprudence and medical ethics</li> </ul>
<b>PART-II</b>	<ul style="list-style-type: none"> <li>• Advanced professional education in speciality of admission</li> <li>• Compulsory rotation in related fields</li> </ul>	<ul style="list-style-type: none"> <li>• At the end of 3<sup>rd</sup> year:</li> <li>• <b>Written:</b> Paper 1 &amp; 2: Problem-based questions in the subject Paper1: Four long essay questions Paper 2: Ten short essay questions</li> <li>• <b>Oral &amp; Practical / Clinical</b> Long case/short cases/OSCE</li> </ul>
<b>PART III</b>	Research Work/Thesis Writing	<ul style="list-style-type: none"> <li>• Thesis Examination at the end of ➤ 4<sup>th</sup> Year</li> <li>• <b>LOG Book/Assignments*/rotations</b></li> </ul>

\* Evaluation shall be done on annual basis

## 2. Rotations

Year	Duration (Months)	Oral & Maxillo Facial Surgery	Prosthetics	Operative	Orthodontics	Peridontology
1	2	Gen. Medicine	Orthodontics	Prosthetics	OMFS	Radiology
2	2	Gen. Surgery	Peridontology	Radiology	Prosthetics	Orthodontics
	2	Anaesthesia	OMF surgery -	OMF surgery -	Peridontology -	OMF surgery -
3	2	Neurosurgery	Plastic surgery	Peridontology	Radiology	Prosthetics
4	2	Plastic surgery/ENT	-	-	-	-

## 3. Examinations

Consists of three parts:

### (1) Part-I Examination

- a) All candidates admitted in M.D.S. degree courses shall appear in Part-I examination at the end of first calendar year.
- b) The examination shall be held on biannual basis.
- c) The candidate is expected to pass this examination in four attempts. The candidate who fails to pass the examination in four attempts or within 3 years of enrolment shall be dropped from the course.
- d) The examination shall have the following component:
 

**Written**
- e) There shall be two written papers of 100 marks each:
 

Paper 1: Basic Sciences (Anatomy, Physiology and Cell Biology, Biochemistry, Pharmacology, Research Methodology and Biostatistics)

Paper 2: Oral biology, General Pathology and oral pathology, Behavioural sciences, Dental jurisprudence and medical ethics
- f) The types of questions shall be of MCQs (single best). The questions pertaining to Research Methodology & Biostatistics may be of descriptive nature.

- g) To be declared successful in Part-1 examination the candidate must secure 60% marks.
- h) To be eligible to appear in Part-1 examination the candidate must submit:
  - i. Application duly recommended by the Supervisor;
  - ii. Certificate by the Supervisor that candidate has attended at least 75% of the lectures, seminars, practical / clinical demonstrations;
  - iii. Examination fee as prescribed by the University.
- i) **Exemptions:** A candidate holding FCPS/FDS/equivalent qualification shall be exempted from Part-I examination.

**(2) Part-II Examination**

- a) All candidates admitted in M.D.S. course shall appear in Part-II examination at the end of structured training programme (end of 3<sup>rd</sup> calendar year in the speciality).
- b) The examination shall be held on biannual basis.
- c) The Part-II examination shall have the following components:
  - Written 300 marks
  - Oral & Practical / Clinical 300 marks
- d) There shall be two written papers of 150 marks each. Both papers shall have problem-based questions.
  - Paper 1: Four Long Essay questions
  - Paper 2: Ten short essay questions.

To be declared successful in part-II examination the candidate must secure 60% marks in each component (written and practical).

- e) Oral & practical / clinical examination shall have 300 marks for:

	<b>#</b>	<b>Marks</b>
• Long Case	1	100
• Short Cases	4	100
• OSCE/ Structured Viva		100

- f) To be eligible to appear in Part-II examination the candidate must submit:
  - i. Application duly recommended by the Supervisor.
  - ii. Certificate by the Supervisor that the candidate has completed the prescribed period of training of the course and has attended at least 75% of the lectures, seminars, practical/clinical demonstrations.
  - iii. Certificate that the candidate has passed Part-I Examination.
  - iv. Examination fee as prescribed by the University.

**(3) Board of Examiners**

- a) The part-II examination shall be conducted by a board of four examiners preferably examiners from other universities and from abroad. The senior examiner of the subject will be the Convenor of the Board.
- b) The examiners shall be appointed from respective specialties. Specialists from allied specialties and related fields may also be appointed/co-opted in special subjects where deemed necessary.
- c) All examiners shall have equal responsibilities as examiners, except the Convener, who shall be responsible for conducting the examination and submitting the result to the Controller of Examinations on the same day at the end of examination in the University.
- d) A candidate must be assessed by each Examiner of the Board independently without consultation with the others.

**(4) Submission / Evaluation of Synopsis**

- a) The candidate shall prepare synopsis for the thesis as per guidelines provided by the Advanced Studies and Research Board.
- b) The research topic in clinical subject should have 30% component related to basic sciences and 70% component related to applied clinical sciences. The research topic must consist of a reasonable

sample size and sufficient number of variables to give training to the candidate to conduct research, to acquire & analyze the data.

- c) Synopsis of research project shall be submitted during the first 12 months of the course. The synopsis shall be submitted through the Supervisor/s, the Principal/ Dean of the Institution. The synopsis shall be evaluated by the following Committee:

Principal/Dean or his representative	Chairman
Supervisor of the candidate	Member/Secretary
A Professor nominated by the Principal	Member

- d) After the approval by the Committee, the synopsis shall be submitted to the respective Review Committee of the University for consideration by the Advanced Studies & Research Board.

**(5) Part-III (Thesis) Examination**

- a) All candidates admitted in M.D.S. courses shall appear in Part-III (thesis) examination after 1 year of completion of Part-II examination and not later than 8th calendar year of enrolment.
- b) Only those candidates shall be eligible for thesis evaluation who have passed Part-II examination.
- c) The examination shall include thesis evaluation with defence.
- d) **Submission of Thesis:**
- i. Thesis shall be submitted by the candidate duly recommended by the Supervisor.
  - ii. The minimum duration between approval of synopsis and submission of thesis shall be one year.
  - iii. The Research Thesis must be ring-bound in accordance with the specifications of the Academic Council of the University.
  - iv. Four copies of the thesis shall be submitted 1 year after Part-II examination but not later than 8 years of enrolment.
  - v. The research thesis will be submitted along with fee prescribed by the University.



**e) The Evaluation and Defence of the Thesis**

- i. The thesis shall be examined by three examiners, at least one from abroad, appointed by the University for Part-III Examination. Each of the examiners will be provided a copy of the thesis at least thirty days before the defence. The candidate will appear for defence before the panel of examiners in the presence of Supervisor / Co-Supervisor on a fixed date and will have to successfully defend the thesis. Total marks of thesis evaluation will be 200. The distribution of marks will be 66 marks for each of two Examiners & 68 for the Convenor Examiner.

**(6) Evaluation of Log Book/ Other Assignments**

- a) Throughout the length of the course, the performance of the candidate shall be recorded on the Log Book.
- b) The Supervisor shall certify every year that the Log Book is being maintained and signed regularly.
- c) The Log Book will be developed & approved by the Advanced Studies & Research Board.
- d) The evaluation will be maintained by the Supervisor (in consultation with the Co-Supervisor, if appointed).
- e) The performance of the candidate shall be evaluated on annual basis, e.g., 50 marks for each year in a four year course. The total marks for Log Book shall be 200.
- f) The Log Book shall reflect the performance of the candidate on following parameters:
  - i. Year wise record of the competence of skills;
  - ii. Year wise record of the assignments;
  - iii. Year wise record of the evaluation regarding attitude & behaviour;
  - iv. Year wise record of journal club, lectures and clinico-pathologic conference attended;

- g) Original Log Book shall be submitted complete in all respect and duly signed by both the Supervisor and Co-Supervisor.

**(7) Declaration of Result**

- a) The candidates who have passed written, oral and practical (OSCE) and clinical examinations separately shall be declared Pass.
- b) The candidates who have failed the written examination will not be eligible to sit oral and practical/clinical examination.
- c) The candidates, who have passed written examination but failed in oral and practical/clinical examination, will re-appear only in oral & practical/clinical examination.
- d) The maximum number of attempts to re-appear in oral and practical/clinical shall be three, after which the candidate shall have to appear in both written and oral & practical/clinical, as a whole.
- e) The candidate must obtain 60% marks in each component to pass the examination.
- f) The candidate with 80% or above marks shall be deemed to have passed with distinction, provided he/she has passed all the examinations in first attempt.

**8) Award of M.D.S. Degree**

After successful completion of the structured courses of M.D.S. & qualifying Part I, Part II and Part III of examinations, degree of M.D.S. with title of speciality shall be awarded

**e.g. M.D.S. (Oral & Maxillo-Facial Surgery)**

**M.D.S. (Prosthodontics)**