

Finalized in the meeting of the Committee for Courses & Studies, Department of Pulmonary Medicine meeting held on 5<sup>th</sup> March, 2008

## **Report on Examination Reforms: Diploma in Tuberculosis and Chest Diseases 2008**

The examination is conducted to evaluate and certify the candidate's level of knowledge, skill and competence, and how far the objectives of the course have been achieved at the end of the training. The examination shall be held at the end of the third year. The pattern of examination consists of 1) theory, 2) clinical, 3) practical, and 4) viva-voce.

### **I. THEORY EXAMINATION Maximum Marks: 200**

#### **(a) Titles of Papers and composition**

A change in the title of papers and topics covered under each has been necessitated by the advances and developments in the field of Pulmonary Medicine. This will allow a more comprehensive and equitable coverage of important areas. The changes proposed are as under:

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
<p>The topics covered under each paper are as follows:</p> <p>Paper I: Tuberculosis – Respiratory and Nonrespiratory</p> <p>Paper II: Respiratory Disease excluding Tuberculosis</p> <p>Paper III: Pathology and Bacteriology of Tuberculosis and other Respiratory Diseases</p>	<p>The number of theory papers shall be three. The pattern of thematic distribution in the question papers shall be as under</p> <p>Paper I: Pulmonary diseases other than infections</p> <p>Paper II: Pulmonary Infections</p> <p>Paper III: Preclinical and Paraclinical Sciences, Epidemiology and Control Programmes, Preventive aspects, Recent Advances as relevant to Pulmonary Medicine</p>

#### **(b) Pattern of Questions**

A need is felt to frame the question papers with the objective to test the candidate's fundamentals, comprehension and clinical skills in management. In order to allow more areas to be covered, short-note and short-answer questions need to be increased.

<b>Existing Provisions/conventions</b>	<b>Proposed Amendments</b>
<p>The questions include a mix of two-thirds as essay-type questions and remaining as short-notes</p>	<p>The questions in the papers will cover the areas listed against each and include a mix of essay type and short-note questions with greater emphasis on the latter. The essay type questions may be on clinical scenarios.</p>

(c) **Duration of Examination**

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
The duration of examination in each paper shall be of 3 hours.	No change

(d) **Marks**

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
The maximum marks for each paper are as follows: Paper I: 75; Paper II: 75; Paper III: 50	No Change  If the University adopts a system of evaluation through grades for disciplines under the Faculty of Medical Sciences, the same shall apply automatically

**II. PRACTICAL EXAMINATION Maximum Marks: 300**

The examination consists of Clinical and Practical examination and Viva-voce.

**A. Clinical Examination**

A need is felt to change the system of assessing the clinical skills of the candidates and also incorporate examination of critically ill patients to examine the appropriateness of response to a given clinical situation. The proposed changes in the pattern of clinical examination and evaluation are given below.

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
The Clinical Examination consists of examination and discussion of 1 long case and 2 short cases  Long case includes a detailed history and examination of the patient followed by presentation to the Board of examiners who examine the candidate on all aspects of management including diagnosis, investigations and treatment. The short cases consist of examination of the patient followed by presentation and discussion on management.  <b>Maximum marks: 200 (Long case: 100, Short cases: 50 each)</b>	The Clinical Examination will consist of examination and discussion of 1 long case, 1 short case and 1 bedside examination of an ICU/noncritical patient with file discussion.  Long case will include a detailed history and examination of the patient followed by presentation to the Board of examiners who will examine the candidate on all aspects of management including diagnosis, investigations and treatment. The short case will consist of examination of the patient followed by presentation. The focus shall be on elicitation and demonstration of physical signs and a systematic approach to possible diagnosis and differential diagnosis. The bedside examination of ICU/noncritical patient will focus on physical signs and assessment of current state. Investigations carried out shall be provided to the candidate and the management skills of the candidate

	<p>will be evaluated.</p> <p>Emphasis in clinical examination is to be laid on <i>Objective Structured Clinical Examination (OSCE)</i> consisting of writing of the case sheet, written documentation of the diagnosis, investigations and management. Each case shall be evaluated separately.</p> <p>The system of marking will continue as before. If and when the University adopts a system of evaluation through grades for disciplines under the Faculty of Medical Sciences, the same shall apply automatically</p>
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## B. Practical Examination

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
<p>The Practical Examination consists of exercises on the identification, abnormalities detected, diagnosis and treatment with answers to questions on ten spots selected out of the following:</p> <ul style="list-style-type: none"> <li>i) Pathology Specimens</li> <li>ii) Microbiology and Pathology Slides</li> <li>iii) Pulmonary function tests and arterial blood gas data</li> <li>iv) ECG</li> <li>v) Polysomnography records</li> <li>vi) Instruments, needles etc</li> <li>vii) Any other spot as decided by examiners</li> </ul> <p><b>Maximum marks: 50</b></p>	<p>The Practical Examination will consist of exercises on the identification, abnormalities detected, diagnosis and treatment with answers to structured questions on ten spots selected out of the following:</p> <ul style="list-style-type: none"> <li>i) Pathology Specimens</li> <li>ii) Microbiology and Pathology Slides</li> <li>iii) Pulmonary function tests and arterial blood gas data</li> <li>iv) ECG</li> <li>v) Polysomnography records</li> <li>vi) Instruments, needles etc</li> <li>vii) Any other spot as decided by examiners</li> </ul> <p>The system of marking will continue as before. If the University adopts a system of evaluation through grades for disciplines under the Faculty of Medical Sciences, the same shall apply automatically</p>

## C. Viva-voce examination

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
<p>The candidate is asked questions on different aspects of pulmonary diseases including the diagnosis and treatment, epidemiology, control programmes and recent advances. The questions cover a broad range of topics</p>	<p>The candidate is to be asked questions on different aspects of pulmonary diseases including the diagnosis and treatment, epidemiology, control programmes and recent advances. The questions should cover</p>

<p>to comprehensively evaluate the knowledge and skills acquired by the student during his training. Investigation reports, radiographs and data are provided by the examiners to the students for their interpretation.</p> <p><b>Maximum marks: 50</b></p>	<p>a broad range of topics to comprehensively evaluate the knowledge and skills acquired by the student during his training. Investigation reports, radiographs and data would be provided by the examiners to the students for their interpretation. The number, content and level of questions should be uniform for all students.</p> <p>The system of marking will continue as before. If the University adopts a system of evaluation through grades for disciplines under the Faculty of Medical Sciences, the same shall apply automatically</p>
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#### D. Internal assessment

It is felt that a system of internal assessment should be introduced. This will allow a better assessment of how well the objectives of the course have been achieved by a candidate. The frequency of assessments, evaluation and weightage to be given in the final examination. should be uniform for all disciplines under the Faculty of Medical Sciences.

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
<p>There is no provision for Internal assessment</p>	<p>It is desirable to have Internal Assessment. This would be in the form of formal theory and clinical examinations periodically throughout the three-years course.</p> <p>The frequency of assessments, evaluation and weightage to be given in the final examination will be as per the system the University adopts for disciplines under the Faculty of Medical Sciences at any time in future and the same shall apply automatically</p>

#### Overall Assessment and Final Result

<b>Existing Provisions</b>	<b>Proposed Amendments</b>
<p>To be declared successful, the candidate should obtain at least 50% marks in each of theory, clinical, practical and viva-voce components of the examination and 50% or more in aggregate i.e. 250 or more out of maximum marks of 500.</p>	<p>No Change</p> <p>However, If the University adopts a system of evaluation through grades for disciplines under the Faculty of Medical Sciences, the same shall apply automatically</p>