Course Contents Theory

1. Basic sciences including Anatomy, Physiology, Pathology, Microbiology and Pharmacology.
2. Arterial blood gases and acid base disturbance.
3. Tuberculosis – Pulmonary- Extra- Pulmonary and allied topics in Tuberculosis
   - Immunology of respiratory diseases.
   - Upper respiratory tract infection
   - Pneumonia
   - Emphysema
   - Lung abscess
   - Disease of Pleura
   - Fungal infection of the lung
   - Chronic bronchitis and emphysema
   - Pulmonary hypertension
   - Respiratory failure
   - Bronchiectasis
   - Parasitic diseases of the lung
   - Sarcoidosis
   - Bronchial asthma
   - Pulmonary eosinophilia, PAN, Wegener’s granulomatosis
   - Pneumothrax and Mediastinal emphysema
   - Pulmonary thrombo embolism
   - Occupational lung diseases
   - Tumors of the lung
   - Diffuse fibrosingalveolitis
   - Respiratory manifestations of systemic diseases
   - Hyaline Membrane Diseases, Cystic Fibrosis Goodpasture’s syndrome
   - Diseases of Mediastinum
   - Diseases of chest wall
   - Diseases of diaphragm
   - Lung transplantation

Practical

- Pulmonary function test
- ICD
- Bronchoscopy
- Bronchoscopic samplings
- Pleural biopsy
- Arterial puncture
- FNAC
- Trucut lung biopsy
- Thoracocintesis (Pleural Tapping)
- Pleurodesis
- Lumbar puncture
- Ascitic tapping

Scheme of Examination:

Candidate will be allowed to appear for examination only if attendance (Minimum 80%) and internal assessment are satisfactory and dissertation is accepted.
### Theory
4 papers of 100 marks each [400 marks]

<table>
<thead>
<tr>
<th>Paper</th>
<th>Course</th>
<th>Marks</th>
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<tbody>
<tr>
<td>Paper 1</td>
<td>Medical, surgical &amp; public health aspects of TB.</td>
<td>100 marks</td>
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<td>(5 questions of 20 marks each)</td>
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<td>Paper 2</td>
<td>General medicine</td>
<td>100 marks</td>
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<td>(5 questions of 20 marks each)</td>
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<td>Paper 3</td>
<td>Diseases of chest other than TB</td>
<td>100 marks</td>
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<td>(5 questions of 20 marks each)</td>
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<td>Paper 4</td>
<td>Modern trends and recent advances in respiratory medicine</td>
<td>100 marks</td>
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<td>(An easy question of 100 marks.</td>
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### Practical
600 marks, includes:

<table>
<thead>
<tr>
<th>Exercise</th>
<th>Marks</th>
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<tbody>
<tr>
<td>• Long case – one</td>
<td>225 marks</td>
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<tr>
<td>• Short cases – two</td>
<td>150 marks, 75 marks each</td>
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<tr>
<td>• Spot case – one</td>
<td>75 marks</td>
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<td>• Table viva</td>
<td>75 marks</td>
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<tr>
<td>• X-rays &amp; Specimen</td>
<td>75 marks</td>
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