

**Paper II**

**Part I: General Subject**

**25 Marks**

**1. National Tuberculosis control Programme**

- 1.1. Aims and objectives
- 1.2. Role of INGO and NGO
- 1.3. Role of IUAT/LD, Global fund and WHO to eradicate TB in Nepal

**2. DOTS Programme and DOTS PLUS Programme**

- 2.1. Aims and objectives
- 2.2. Duration of DOTS and DOTS Plus
- 2.3. Supervision, Monitoring and Evaluation
- 2.4. Role of district health officer

**3. SAARC TB/ AIDS Centre**

- 3.1. Role of center in the neighboring SAARC countries
- 3.2. Relationship with National Tuberculosis Center

**4. Problem and control of Tuberculosis**

- 4.1. Epidemiology and control of TB
- 4.2. Future plan for eradication of Tuberculosis in the country

**Part II: Technical Subject**

**100 Marks**

**1. Tuberculosis**

- 1.1. Pulmonary
- 1.2. Extra -pulmonary, CNS, bone, lymph node, abdominal, genito-urinary TB
- 1.3. Sign and symptoms
- 1.4. Investigation
- 1.5. Management
- 1.6. MDR- TB deferential diagnoses management

**2. Pneumonias**

- 2.1. CAP (Community Acquired Pneumonias)
- 2.2. HAP (Hospital Acquired Pneumonias)
- 2.3. Aspiration /Ventilator VAP pneumonia
- 2.4. Atypical pneumonia
- 2.5. Sign and symptoms
- 2.6. Investigation
- 2.7. Differential diagnosis
- 2.8. Treatment
- 2.9. Complication of pneumonia
- 2.10. Criteria for hospital admission
- 2.11. Criteria for intubation

**3. Bronchogenic Carcinoma**

- 3.1. Types
- 3.2. Presentation
- 3.3. Sign and symptoms
- 3.4. Investigation - invasive and non- invasive
- 3.5. Cancer marker
- 3.6. Treatment modalities
- 3.7. Rehabilitation - Cancer and Respiratory

**4. Occupational lung diseases and Allergic Manifestation**

- 4.1. ILDS / Bronchial Asthma
- 4.2. Sign and symptoms
- 4.3. Investigation
- 4.4. TBLB
- 4.5. Treatment

**5. Pulmonary Oedema / Non- Cardiogenic Pulmonary Oedema**

- 5.1. Sign and symptoms
- 5.2. Investigation
- 5.3. Treatment
- 5.4. Ventilatory support

**6. Causes and Management of the following:**

- 6.1. Haemoptysis
- 6.2. Breathlessness
- 6.3. Pleural Effusion
- 6.4. Cyanosis

**7. Surgical Problems**

- 7.1. Pre operative assessment
- 7.2. Post operative care

**8. Critical care medicine: principles and procedures**

- 8.1. Acute respiratory failure
- 8.2. ICU protocols
- 8.3. Cardiopulmonary resuscitation
- 8.4. Endotracheal intubation
- 8.5. Withdrawal of ventilatory support
- 8.6. Declaration of death/breaking the news

**9. Sleep related problems**

- 9.1. Sleep apnea syndrome
- 9.2. Management of tracheal stenosis