**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 0524]** **MAY 2024** **Sub. Code: 4046**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII–RESPIRATORY MEDICINE**

**PAPER II–CLINICAL PULMONARY MEDICINE INCLUDING MEDICAL EMERGENCIES**

***Q.P. Code: 204046***

**Time: Three Hours** **Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Classification of Mycobacteria, Describe Structure of Mycobacteria, Describe different TB Culture Methods.

2. Describe in detail about CNS TB – Types, Diagnosis, Management and Complications.

**II. Write notes on:** **(10 x 7 = 70)**

1. Effect of TB on Pregnancy and Effect of Pregnancy on TB.
2. Tuberculous Uveitis.
3. Post Genomics efforts to control TB.
4. Agents used for Chemical Pleurodesis and their Merits.
5. Complications of Spinal Tuberculosis.
6. Silico Tuberculosis.
7. TB - X-ray Manifestation.
8. Delamanid.
9. Surgery for BPF.
10. TB Samples survey in INDIA.

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**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 1224]** **DECEMBER 2024** **Sub. Code: 4046**

**(OCTOBER 2024 EXAM SESSION)**

**M.D. DEGREE EXAMINATION**

**RESPIRATORY MEDICINE**

**PAPER II – CLINICAL PULMONARY MEDICINE INCLUDING MEDICAL EMERGENCIES**

***Q.P. Code: 204046***

**Time: Three Hours** **Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. A 50-year-old male, smoker, previously treated for Tuberculosis presents with acute onset dyspnoea with hypotension and absent breath sounds with hyperresonance on right side. He had a previous episode similar to this treated with ICD. How will you approach and manage this patient?

2. A 45-year female previously treated patient now presents with sputum positive status and unilateral disease. Her CBNAAT showed Rifampicin resistance.
   a) How will you approach and manage this patient?
   b) How will you manage the same patient if her 2nd line LPA shows FLQ resistance?

**II. Write notes on:** **(10 x 7 = 70)**

1. GeneXpert ultra.
2. Risk factors for progression from LTBI to active TB.
3. Distinguish droplet nuclei and respiratory droplets.
4. Treatment of Mycobacterium avium intracellular pulmonary disease.
5. IGRA.
6. SIMPLICI TB trial.
7. Contact tracing.
8. Deterrents of elimination of TB.
9. Fall and Rise Phenomenon.
10. Diagnostic algorithm for lymph node tuberculosis.

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**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[MD 1025]** **OCTOBER 2025** **Sub. Code: 4046**

**M.D. DEGREE EXAMINATION**

**RESPIRATORY MEDICINE**

**PAPER II – CLINICAL PULMONARY MEDICINE INCLUDING MEDICAL EMERGENCIES**

***Q.P. Code: 204046***

**Time: Three Hours** **Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. 45-year-old male was diagnosed as pott's spine D7 – D8 vertebrae. Discuss about the clinical presentation, radiological investigation and management.

2. Explain in detail about ventilator associated pneumonia – clinical features, diagnosis and management.

**II. Write notes on:** **(10 x 7 = 70)**

1. Silico tuberculosis.
2. Cryptic miliary TB.
3. Radiology of primary pulmonary TB.
4. Pulmonary hydatid disease.
5. Pulmonary alveolar proteinosis.
6. Mesothelioma.
7. Cardio pulmonary resuscitation.
8. Role of PET CT in respiratory medicine.
9. Role of immunotherapy in asthma.
10. Legionella Pneumonia.

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**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[MD 0526]** **MAY 2026** **Sub. Code: 4046**

**M.D. DEGREE EXAMINATION**

**RESPIRATORY MEDICINE**

**PAPER II – CLINICAL PULMONARY MEDICINE INCLUDING MEDICAL EMERGENCIES**

***Q.P. Code: 204046***

**Time: Three Hours** **Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Classify Non-Tubercular Mycobacterial infection and discuss the diagnosis and treatment in detail.

2. Pneumothorax - Types, Clinical features, Diagnosis and Treatment.

**II. Write notes on:** **(10 x 7 = 70)**

1. Tuberculosis prevention therapy.
2. Treatment of Tuberculosis in Chronic Kidney Disease.
3. Molecular Diagnostics in TB.
4. Anti Tuberculous Drugs causing Peripheral Neuropathy and Management.
5. Bronchogenic cyst.
6. Long covid.
7. Pulmonary manifestation of Rheumatoid arthritis.
8. Role of ultrasound in Respiratory emergencies.
9. Smoking cessation.
10. Phrenic nerve injury - causes and treatment.

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