

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.

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.

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.
