

MANIPAL UNIVERSITY
MD (PULMONARY MEDICINE) DEGREE EXAMINATION – APRIL 2014
SUBJECT: PAPER I: BASIC SCIENCES INCLUDING ANATOMY & PHYSIOLOGY
PERTAINING TO RESPIRATORY SYSTEM

Tuesday, April 01, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Your answers should be specific to the questions asked.**

✍ **Draw neat labeled diagrams wherever necessary.**

✍ **Long Essays.**

1. Enumerate in detail the causes, diagnostic approach and management of haemoptysis.
(15 marks)

2. Discuss the causes, pathophysiology and clinical rating methods of dyspnoea.
(15 marks)

3. **Write short notes only.**
 - 3A. Cough reflex pathways
 - 3B. Closing volume
 - 3C. Minute ventilation
 - 3D. Fluoroscopy
 - 3E. Vital capacity
 - 3F. Respiratory acidosis
 - 3G. J. Receptors
 - 3H. Mid expiratory flow rate
 - 3I. Endobronchial ultrasound
 - 3J. Pleural biopsy

(7×10 = 70 marks)



MANIPAL UNIVERSITY

MD (PULMONARY MEDICINE) DEGREE EXAMINATION – APRIL 2014

SUBJECT: PAPER II: NON TUBERCULAR RESPIRATORY INFECTIONS DISEASES

Wednesday, April 02, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Your answers should be specific to the questions asked.**

✍ **Draw neat labelled diagrams wherever necessary.**

✍ **Long Essays.**

1. Discuss the microbiology, diagnosis and treatment of lung abscess.

(15 marks)

2. Discuss the causes, clinical features and management of hyperventilation syndromes.

(15 marks)

3. **Write short notes on:**

3A. Chronic Mountain Sickness

3B. Dressler's syndrome

3C. Uremic pleuritis

3D. Vaccination against pulmonary infections

3E. Respiratory syncytial virus

3F. Fungal Sinusitis

3G. Thoracic amoebiasis

3H. Hyponatremia

3I. Lipoid pneumonia

3J. Melioidosis

(7×10 = 70 marks)



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MD (PULMONARY MEDICINE) DEGREE EXAMINATION – APRIL 2014

SUBJECT: PAPER III: TUBERCULOSIS – PULMONARY & EXTRA PULMONARY

Thursday, April 03, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **Your answers should be specific to the questions asked.**
- ✍ **Draw neat labelled diagrams wherever necessary.**

✍ **Long Essays.**

1. Discuss in detail the drug resistance in tuberculosis.

(15 marks)

2. Discuss the diagnosis of tuberculosis in detail.

(15 marks)

3. Write short notes on:

3A. Isoniazid

3B. Congenital tuberculosis

3C. New anti-tuberculosis drugs

3D. Tuberculous endobronchitis

3E. Prevention of tuberculosis

3F. Mantoux test

3G. Fluoroquinolones in tuberculosis

3H. Gastrointestinal tuberculosis

3I. Polymerase chain reaction

3J. XDR tuberculosis

(7×10 = 70 marks)



MANIPAL UNIVERSITY

MD (PULMONARY MEDICINE) DEGREE EXAMINATION – APRIL 2014

SUBJECT: PAPER IV: NON – INFECTIOUS DISEASES OF LUNG AND RECENT
ADVANCES IN PULMONARY MEDICINE

Friday, April 04, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Your answers should be specific to the questions asked.**

✍ **Draw neat labelled diagrams wherever necessary.**

✍ **Long Essays.**

1. Discuss the etiopathogenesis, pathology and management of IPF (idiopathic pulmonary fibrosis)

(15 marks)

2. Discuss the approach to a patient having a solitary pulmonary nodule.

(15 marks)

3. Write short notes on:

3A. Non-specific interstitial pneumonia

3B. Hemothorax

3C. ANCA-associated pulmonary vasculitis

3D. Nitric oxide in pulmonary diseases

3E. Emerging pharmacotherapies for COPD

3F. Mesothelioma

3G. Bronchopleural fistula

3H. Hygiene hypothesis

3I. Monoclonal antibody in bronchial asthma

3J. Silicosis

(7×10 = 70 marks)

