

MANIPAL UNIVERSITY**MD (RESPIRATORY MEDICINE) DEGREE EXAMINATION – APRIL 2017**
SUBJECT: PAPER I: BASIC SCIENCES INCLUDING ANATOMY & PHYSIOLOGY
PERTAINING TO RESPIRATORY SYSTEM

Monday, April 03, 2017

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. Discuss the blood gas transport in the lung parenchyma in detail. (15 marks)

2. Discuss the lymphatic drainage of the lungs. (15 marks)

3. Write short essay on:

- 3A. Mid expiratory flow rate
- 3B. Immunotherapy
- 3C. Endobronchial ultrasound
- 3D. Pleural biopsy
- 3E. Upper airway resistance syndrome (UARS)
- 3F. Partial liquid ventilation
- 3G. BiPAP
- 3H. Inhalation challenge tests
- 3I. Honey comb lung
- 3J. Respiratory acidosis

(7 marks × 10 = 70 marks)



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MD (RESPIRATORY MEDICINE) DEGREE EXAMINATION – APRIL 2017

SUBJECT: PAPER II: NON TUBERCULAR RESPIRATORY INFECTIONS DISEASES

Tuesday, April 04, 2017

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 clinical features, diagnosis and treatment of Nocardiosis.

(15 marks)

2. Discuss clinical features, diagnosis and treatment of Allergic Bronchopulmonary Aspergillosis.

(15 marks)

3. **Write short essay on:**

3A. Preventive strategies for ventilator associated pneumonia

3B. CURB-65 criteria and its implications

3C. Vaccination against pulmonary infections

3D. Pneumocystis jiroveci pneumonia

3E. Fungal Sinusitis

3F. Management of lung abscess

3G. Varicella pneumonia

3H. Thoracic Amoebiasis

3I. Azoles in management of lung infections

3J. List pulmonary infections in HIV infected patients

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (RESPIRATORY MEDICINE) DEGREE EXAMINATION – APRIL 2017****SUBJECT: PAPER III: TUBERCULOSIS – PULMONARY & EXTRA PULMONARY**

Wednesday, April 05, 2017

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. Write in detail the epidemiology, pathology, clinical features, diagnosis and treatment of genitourinary tuberculosis. (15 marks)

2. Discuss in detail the epidemiology, classification, clinical features, laboratory diagnosis and treatment of pulmonary Non tuberculosis mycobacteria (NTM) infection. (15 marks)

3. **Write short essay on:**

- 3A. Granulomatous hepatitis
- 3B. Fluoroquinolones and tuberculosis
- 3C. Tuberculosis in children
- 3D. Spinal tuberculosis
- 3E. Intracranial tuberculoma
- 3F. Endobronchial tuberculosis
- 3G. Photochromogens
- 3H. Fallopian tube tuberculosis
- 3I. Fluorescent Microscopy
- 3J. Line Probe Assay (LPA)

(7 marks × 10 = 70 marks)



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MD (RESPIRATORY MEDICINE) DEGREE EXAMINATION – APRIL 2017

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

Thursday, April 06, 2017

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. Solitary pulmonary nodule, Evaluation and its management.

(15 marks)

2. Etiology, pathogenesis, clinical features and management of ARDS.

(15 marks)

3. **Write short essay on:**

3A. Elaborate Nicotine replacement therapy in smoking cessation

3B. Management of cystic fibrosis

3C. BOOP

3D. Pancoast tumour

3E. Silicosis

3F. Hamman Rich syndrome

3G. hypercapnic respiratory failure

3H. Chylothorax

3I. Tropical Pulmonary eosinophilia

3J. Rapid Onsite evaluation and its implications in reference to interventional pulmonology.

(7 marks × 10 = 70 marks)

