

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**FINAL MBBS PART – II DEGREE EXAMINATION – FEBRUARY 2023**

**SUBJECT: MEDICINE: PAPER – I (ESSAY)**

Monday, February 06, 2023

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

- ✍ **Answer all the questions**
- ✍ **Write only question number in margin space as it appears in question paper**
- ✍ **Write answers in same order as they appear in question paper**
- ✍ **Answer to the point, neatly and legibly**
- ✍ **Write question or brief title above to each answer**
- ✍ **Use line diagrams and flow charts where appropriate**

✍ **Long questions:**

1. A 56-year-old male chronic smoker has presented with acute onset chest pain for the last 3 hours. He is anxious, sweating profusely and breathless with orthopnoea. On examination has tachycardia, gallop rhythm, and fine bilateral basal crackles.

1A. What is the diagnosis?

1B. Describe the investigations and treatment of this patient.

(2+3+5 = 10 marks)

2. Mention the opportunistic infections in HIV disease and describe clinical manifestations (symptoms and signs) and management (investigations and treatment) of any one common pulmonary opportunistic infection in HIV.

(3+7 = 10 marks)

3. **Write Short notes on the following:**

3A. Definition and significance of microalbuminuria

3B. The differences in clinical and laboratory features of nephritic and nephrotic syndromes

3C. Clinical manifestation and treatment of Type 2 lepra reaction

3D. Causes and treatment of hyponatremia

3E. Causes and treatment of anaemia in chronic kidney disease.

3F. A 25 year old farmer presents with high fever, body aches and a small rounded single blackish crusted skin lesion over buttock. He has jaundice, conjunctival suffusion and palpable liver. What is the most likely diagnosis and how will you investigate and treat him?

3G. A 20- year old woman presented to emergency 2 days after consuming about 20 gram of rodenticide poison. She appears clinically normal. How will you investigate and treat her?

3H. A 18-year-old student presents with recurrent episodes of wheezing and breathlessness worse in the early morning hours. What is the most likely diagnosis and how to treat?

- 3I. A patient presents with cough, high fever with chills and chest pain of 1 week's duration. Chest X ray shows consolidation with pleural effusion on right side. Mention TWO etiology for effusion in this patient and how to differentiate them?
- 3J. Diagnosis and treatment of SARS CoV 2 (Corona Virus-19) pneumonia.
- 3K. Mention mechanism of action of FOUR commonly used antibacterial agents
- 3L. Prevention and treatment of high altitude pulmonary edema
- 3M. Treatment of atrial fibrillation
- 3N. A 30 year old pregnant woman presents with acute pulmonary oedema. Examination reveals loud 1<sup>st</sup> heart sound, mid diastolic murmur over the apex. What is the most likely cause for her pulmonary oedema? Outline management of this patient.
- 3O. Tropical pulmonary eosinophilia

(4 marks × 15 = 60 marks)



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**FINAL MBBS PART – II DEGREE EXAMINATION – FEBRUARY 2023**  
**SUBJECT: MEDICINE: PAPER – II (ESSAY)**  
**(OLD REGULATION)**

Wednesday, February 08, 2023

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

- ✍ **Answer all the questions**
- ✍ **Write only question number in margin space as it appears in question paper**
- ✍ **Write answers in same order as they appear in question paper**
- ✍ **Answer to the point, neatly and legibly**
- ✍ **Write question or brief title above to each answer**
- ✍ **Use line diagrams and flow charts where appropriate**

✍ **Long questions:**

1. Write etiology, clinical features, diagnosis, complications and management of acute pancreatitis.

(2+2+2+2+2 = 10 marks)

2. A 45 year old man apparently well previously, presents to you with acute weakness of right upper and lower limb since last 3 hours along with aphasia. Write the probable diagnosis, etiology investigations, treatment and complications of the condition.

(1+2+2+2+3 = 10 marks)

3. **Write Short notes on the following:**

- 3A. Clinical features and management of acute myeloid leukemia
- 3B. Clinical features and management of Grave's disease
- 3C. Clinical features and management of Diabetic ketoacidosis
- 3D. Clinical features and management of Parkinson's disease
- 3E. Clinical features and management of Rheumatoid arthritis
- 3F. Clinical features and management of Addison's disease
- 3G. Write etiology, complications and management of deep venous thrombosis
- 3H. Write clinical features and management of Systemic lupus erythematosus
- 3I. Write clinical features and management of myasthenia gravis
- 3J. Classify headache and write a note on treatment of migraine
- 3K. Hematopoietic stem cell transplantation - Write 4 indications and 4 complications
- 3L. Write diagnosis and management of Autoimmune hemolytic anemia
- 3M. Write clinical features and management of antiphospholipid antibody syndrome
- 3N. Sickle cell anemia - write clinical features, diagnosis and management
- 3O. Write clinical features and management of ulcerative colitis

(4 marks × 15 = 60 marks)

