



All India Institute of Medical Sciences, Kalyani

Fourth Professional MBBS Supplementary Examination, May 2025

Time: 3 Hrs.

General Medicine (Paper-I)

Marks: 100

Instructions for Section-B, C & D:

- Answer all questions.
- Answer the questions in the same serial order strictly.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION – B (30 MARKS)

Long Answer Questions:

[1×10=10]

1. A 55-year-old male, diabetic and hypertensive since the last 10 yrs has presented at Emergency department with complaints of acute onset chest pain which is radiating to left arm since last 4 hours with shortness of breath for last 3 hours. On examination, PR – 96/min, BP – 112/76 mmHg, SpO₂ – 96% (on room air).
(2+4+4)
 - a. What are the differential diagnosis?
 - b. How do you approach to diagnose and manage this case?
 - c. Briefly outline the anatomy of coronary circulation.

Short Answer Questions:

[4×5=20]

2. Define seizure. Outline the management of status epilepticus. (2+3)
3. 70-year-old male with chronic kidney disease presented with a lab report of serum potassium of 6 mEq/L - Outline the management of this patient in the emergency.
4. Enumerate the **causes of hemoptysis** and outline a **logical sequence of investigations** in a patient presenting with hemoptysis (2+3)
5. 50-year-old lady presented with drowsiness and serum sodium of 118 mEq/L- Classify and enumerate the causes of the dyselectrolytemia

SECTION – C (34 MARKS)

Long Answer Questions:

[1×10=10]

1. A 40-year-old man with a history of chronic alcohol use presents with progressive abdominal distension, jaundice, and episodes of confusion. He has spider angiomas and shifting dullness.
(1+3+3+3)
 - a. What is the most likely diagnosis?
 - b. List 3 common complications of this condition.
 - c. Describe diagnostic workup for hepatic encephalopathy.
 - d. Outline the treatment and diet advice for such patients.

Short Answer Questions:

[6×4=24]

2. Acute Kidney injury – Causes & Evaluation
3. Outline the management of acute exacerbation of COPD.
4. Write briefly on Barrett's esophagus.
5. List the drug therapy of Hepatitis B and Hepatitis C.
6. Patient safety goals
7. A 42-year-old man with a thoracic malignancy and prior mediastinal radiotherapy presents with chest pain, dyspnea, raised JVP, distant heart sounds, and pulsus paradoxus. A chest X-ray (PA view) is obtained.



(1+1+2)

- a. Describe the chest X-ray findings.
- b. What is the most likely diagnosis?
- c. What will be your immediate next step in management?

SECTION – D (16 MARKS)
DERMATOLOGY

1. Discuss clinical features and management of scabies. (2+2)
2. Enumerate various skin manifestations and treatment protocol for secondary syphilis. (2+2)
3. Discuss clinical features of chronic plaque psoriasis and name the various systemic therapy. (2+2)
4. Describe the 'cardinal features' and Multi Drug Therapy (MDT) regimen of leprosy (2+2)
