

# Question Paper

Exam Date & Time: 05-Apr-2025 (10:20 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD PROFESSIONAL YEAR MBBS PART - II DEGREE EXAMINATION - APRIL 2025  
SUBJECT : IM 401TH-P2 - GENEREAL MEDICINE - PAPER II  
(CBME SCHEME)

Marks: 80

Duration: 160 mins.

### SECTION I - GENERAL MEDICINE (38 MARKS)

Answer all the questions.

Read the questions carefully and answer to the point.

Use line diagrams, tables and flow charts where appropriate.

Long question:

1. A male patient aged 20 years a known case of type 1 diabetes mellitus presents with fatigue, abdominal pain and vomiting. He had missed insulin doses for 2 days. On arrival, he was appearing dehydrated, and his random blood sugar was 450 mg/dL.

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|-----|---|-----|
| 1A) | What is the diagnosis and justify?        | (2) |
| 1B) | How do confirm the diagnosis?             | (2) |
| 1C) | Discuss the management of this condition. | (6) |

2. Short answer questions:

- |     |   |     |
|-----|---|-----|
| 2A) | A young lady presents with weight loss, increased frequency of stool and fine tremors. Her TSH value is $< 0.005$ units.<br>i) Mention TWO tests to be done in this patient to arrive at a correct diagnosis.<br>ii) Discuss the pharmacological management of this condition.<br>(2+2 = 4 marks)   | (4) |
| 2B) | Complications of obesity.   | (4) |
| 2C) | A female patient aged 45 years presents with high-grade fever, cough and rusty sputum for 5 days. On examination she has tachycardia, woody dullness and tubular bronchial breathing with crepitations on left infra axillary and infra scapular areas.<br>i) What is the diagnosis and justify the same?<br>ii) Mention the common complications of this condition.<br>(2+2 = 4 marks) | (4) |
| 2D) | A male patient aged 30 years known to be suffering from HIV infection. His current CD4 count is 45 cells/cumm.<br>i) List the respiratory opportunistic infections likely in this patient.<br>ii) Mention chemoprophylaxis against infections in this patient.<br>(2+2 = 4 marks)   | (4) |
| 2E) | Clinical features and treatment of leptospirosis.   | (4) |

- 2F) A young female patient presents with fatigue. On examination she has pallor and koilonychia. Her haemoglobin is 6 gm% and smear show microcytic hypochromic picture. (4)  
 i) What is the likely diagnosis?  
 ii) How to confirm the diagnosis?  
 iii) Write the treatment.  
 (1+1+2 = 4 marks)
- 2G) Von Willebrand disease. (4)

## SECTION II - ALLIED SUBJECTS (42 MARKS)

**Answer all the questions.**

**Read the questions carefully and answer to the point.**

**Use line diagram, tables and flow charts where appropriate.**

**Long question:**

3. Ms. Geetha, a female aged 28-year presents to the clinic with a persistent cough, weight loss, and evening low-grade fevers for the past several weeks. She mentions recent exposure to a family member diagnosed with active pulmonary tuberculosis.

- 3A) Describe the mode of transmission of tuberculosis. (3)  
 3B) Discuss the primary signs and symptoms associated with pulmonary tuberculosis. (4)  
 3C) Explain the principles and significance of the tuberculin skin test (TST) in tuberculosis infection. (3)  
 Elaborate on its interpretation and factors influencing its accuracy.

**4. Short answer questions:**

- 4A) Write briefly about the symptoms, signs, complications and treatment of scabies. (4)  
 4B) Describe grades of acne and enlist the various therapeutic modalities employed for each grade of acne. (4)  
 4C) Cutaneous drug reactions. (4)  
 4D) Explain the importance of maintaining the confidentiality in patient encounters and exceptions to it. (4)  
 4E) Discuss the various models of disease causation in reference to psychiatry. (4)  
 4F) Enumerate the various clinical features of schizophrenia. (4)  
 4G) Treatment and prevention of influenza. (4)  
 4H) Doctor-industry relationship. (4)

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