

GENERAL MEDICINE

PAPER –I

MED/J/13/11/I

Time : 3 hours

Max. Marks : 100

IMPORTANT INSTRUCTIONS

- This question paper consists of 10 questions divided into Part 'A' and Part 'B', each part containing 5 questions.
- Answers to questions of Part 'A' and Part 'B' are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.
- Answer sheet(s) of Part 'A' and Part 'B' are not to be tagged together.
- Part 'A' and Part 'B' should be mentioned only on the covering page of the respective answer sheet(s).
- Attempt all questions in order.
- Each question carries 10 marks.

PART A

1. Define hypercalcemia. Discuss the etiology, clinical manifestations and management of hypercalcemia. 1+3+3+3
2. Discuss the clinical manifestations of Helicobacter pylori infestation, its diagnosis and recommended treatment regimen. 2+4+4
3. Discuss the clinical features and management of viperine snake bite. 5+5
4. Describe the role of inflammatory mediators in bronchial asthma. Discuss the management of acute severe asthma. 5+5
5. What is malabsorption syndrome? Discuss the clinical manifestation of Vitamin B<sub>12</sub> deficiency and its treatment. 4+(3+3)

P.T.O

**GENERAL MEDICINE**

**PAPER –I**

**Please read carefully the important instructions mentioned on Page '1'**

**PART B**

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|-----|--|---------|
| 6.  | What is Systemic Inflammatory Response Syndrome (SIRS)? Discuss the complications and management of severe sepsis.                       | 3+(3+4) |
| 7.  | Define dementia. Discuss the causes of reversible dementia. Describe the management of Alzheimer's disease.                              | 2+4+4   |
| 8.  | Define metabolic syndrome. Discuss the etiology and management of metabolic syndrome.  | 2+(4+4) |
| 9.  | Define acute kidney injury. Discuss the etiology and management of acute tubular necrosis.   | 2+(4+4) |
| 10. | Discuss the pathophysiology of supra ventricular tachycardia. Describe the management of Paroxysmal Supraventricular Tachycardia (PSVT). | 5+5     |

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GENERAL MEDICINE

PAPER –II

GM/J/13/11/II

Time : 3 hours

Max. Marks : 100

IMPORTANT INSTRUCTIONS

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PART A

1. Discuss the etiology, management and complications of community acquired pneumonia. 3+4+3
2. Discuss the causes of Upper Gastrointestinal (UGI) bleeding. Describe the management of variceal UGI bleed. 5+5
3. Discuss the risk factors, clinical features, diagnosis and management of cortical venous thrombosis. 2+3+3+2
4. Enumerate the causes of fever with jaundice. Discuss the clinical features and management of leptospirosis. 4+(2+4)
5. Discuss the causes of chronic meningitis. Describe the management and complications of tubercular meningitis. 3+(3+4)

P.T.O

GENERAL MEDICINE

PAPER –II

Please read carefully the important instructions mentioned on Page '1'

PART B

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|-----|--|-------|
| 6.  | Discuss the risk factors, diagnosis and management of osteoporosis.  | 3+3+4 |
| 7.  | Discuss the etiopathogenesis, clinical features and management of ankylosing spondylitis.                      | 3+4+3 |
| 8.  | Discuss the etiopathogenesis of anemia of chronic kidney disease and outline its management.                   | 5+5   |
| 9.  | Discuss the etiology, clinical features and management of Immune Thrombocytopenic Purpura (ITP)                | 3+3+4 |
| 10. | Discuss the epidemiology of influenza virus infection, risk factors for complications and treatment in adults. | 3+3+4 |

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GENERAL MEDICINE

PAPER –III

GM/J/13/11/III

Time : 3 hours

Max. Marks : 100

IMPORTANT INSTRUCTIONS

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PART A

1. Discuss the etiology, diagnosis and management of peripheral arterial disease. 2+4+4
2. Discuss the etiology and clinical manifestations of hyperprolactinemia. (3+3)+4  
Describe the management of prolactinoma of the pituitary.
3. Discuss the clinical manifestations, diagnosis and management of multiple myeloma. 4+3+3
4. Discuss the etiology, clinical features, diagnosis and management of Immune Reactivation Inflammatory Syndrome (IRIS) in HIV infection. 2+3+3+2
5. Discuss the clinical manifestations, diagnosis and management of sarcoidosis. 3+4+3

P.T.O

**GENERAL MEDICINE**

**PAPER –III**

**Please read carefully the important instructions mentioned on Page '1'**

**PART B**

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|-----|---|---------|
| 6.  | Discuss the etiology, clinical features and diagnostic evaluation of urinary tract infection.   | 3+3+4   |
| 7.  | Describe the clinical features, diagnosis and management of chronic hepatitis C infection.  | 3+3+4   |
| 8.  | Discuss the clinical features, diagnosis and management of multiple sclerosis.  | 4+3+3   |
| 9.  | Describe the clinical manifestations, diagnosis and complications of enteric fever.   | 3+3+4   |
| 10. | Discuss the indications for Long Term Oxygen Therapy (LTOT). Describe the modalities of delivery and monitoring of patients receiving LTOT. | 4+(3+3) |

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GENERAL MEDICINE

PAPER –IV

GM/J/13/11/IV

Time : 3 hours  
Max. Marks : 100

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PART A

1. Classify antiretroviral drugs. Discuss the indications of antiretroviral treatment (ART) and monitoring of patients on ART. 4+(3+3)
2. What are nucleic acid based tests? Discuss the advantages and disadvantages of cartridge based nucleic acid tests in the diagnosis of tuberculosis. 2+(4+4)
3. Describe the metabolism of hemoglobin in the body. Discuss the clinical features of hemolytic anemias. 5+5
4. Describe a case control study. What are the advantages and disadvantages of case control studies? 4+(3+3)
5. Describe the role of resident bacterial flora in the human body. Discuss the indications of use of probiotics. 5+5

P.T.O

GENERAL MEDICINE

PAPER –IV

Please read carefully the important instructions mentioned on Page '1'

PART B

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|-----|---|---------|
| 6.  | Describe the mechanisms of anti-microbial drug resistance. Discuss the clinical implications of anti-microbial drug resistance. | 6+4     |
| 7.  | Define standard work precautions. Describe the role of personal protective equipment and hand washing in daily practice.        | 2+(4+4) |
| 8.  | What is post exposure prophylaxis? Discuss the role of post exposure prophylaxis in relation to any two infections.             | 2+4+4   |
| 9.  | What is Anion Gap? Describe the causes of metabolic acidosis and role of anion gap in metabolic acidosis.                       | 3+(4+3) |
| 10. | What is Total Parenteral Nutrition. Discuss the indications and complications of Total Parenteral Nutrition.                    | 2+(4+4) |

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