

**GENERAL MEDICINE**

**PAPER-I**

Time : 3 hours  
Max. Marks : 100

MED/D/11/11/I

Attempt all questions in order.  
Each question carries 10 marks.

1. Define hepato-renal syndrome. Describe its pathogenesis, diagnostic criteria and treatment modalities. 1+3+3+3
2. Describe clinical presentation, diagnosis and treatment of a patient with hypertensive encephalopathy. 2+3+5
3. Enumerate thromolytic agents. Describe their indications, contraindications and complications in acute myocardial infarction. 2+2+2+4
4. Describe clinical features, diagnosis and treatment of herpes simplex viral encephalitis. 2+3+5
5. Describe causes, evaluation and treatment of a patient with massive haemoptysis. 2+3+5
6. What is Immune Reconstitution Inflammatory Syndrome? Discuss its pathogenesis, diagnosis and treatment. 1+2+3+4
7. Classify tumour markers and describe their role in various medical conditions. 4+6
8. Enumerate causes of hypercalcemia. Describe the clinical presentation and management of a patient with severe hypercalcemia. 2+2+6
9. Describe the clinical presentation, etiopathogenesis and management of hypokalemic periodic paralysis. 3+3+4
10. Briefly discuss thyroid function tests. Discuss Sick Euthyroid Syndrome. 5+5

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**GENERAL MEDICINE**

**PAPER- II**

**Time : 3 hours**

**MED/D/11/11/II**

**Max. Marks : 100**

**Attempt all questions in order.  
Each question carries 10 marks.**

1. Describe the clinical features, diagnostic evaluation and management of a patient with organophosphorous poisoning. 4+2+4
2. Describe the etiology, diagnosis and management of a patient with atypical pneumonia. 2+2+6
3. What are Gliptins? Describe their mechanism of action and specific indications of usage. 2+4+4
4. How do you approach a patient with cardiac arrhythmia? Classify anti-arrhythmic drugs. 5+5
5. Describe diagnostic evaluation of a patient presenting with peripheral neuropathy. Enumerate the neuropathic patterns associated with diabetic mellitus. 5+5
6. Describe diagnostic evaluation, clinical features and management of a patient with a malabsorption syndrome. 3+3+4
7. Describe etiology, clinical presentation and management of cerebral venous thrombosis. 2+3+5
8. Describe clinical features, investigations and management of multiple myeloma. 2+3+5
9. Describe the clinical presentation, diagnostic evaluation and management of 'Dengue fever'. 3+3+4
10. Define 'brain death'. Outlines the means of ascertaining brain death. 3+7

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**GENERAL MEDICINE**

**PAPER- III**

**Time : 3 hours**  
**Max. Marks : 100**

**MED/D/11/11/III**

**Attempt all questions in order.**  
**Each question carries 10 marks.**

1. Enumerate causes of acute renal failure. Describe the management and preventive guidelines in such a patient. 3+5+2
2. Describe the etiopathogenesis, clinical presentation and management of Hepatitis C infection. 2+3+5
3. Describe diagnostic evaluation of a patient with adrenal insufficiency. Discuss the management of adrenal crisis. 5+5
4. Classify cyanotic congenital heart diseases. Describe the clinical features and management of Fallot's tetralogy. 2+4+4
5. Define spontaneous bacterial peritonitis. Describe its etiopathogenesis, clinical features and management. 1+2+3+4
6. What are the diagnostic criteria for depression? Briefly describe the principles of management. 3+7
7. Describe the principle and clinical uses of stress test. Differentiate between stress echocardiography and stress thallium. 2+3+5
8. Describe the indications and complications of mechanical ventilation. 4+6
9. Describe the clinical presentation, diagnostic evaluation and management of right ventricular myocardial infarction. 3+3+4
10. Describe the skin manifestation of internal malignancies. Discuss its prognostic value. 5+5

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**GENERAL MEDICINE**

**PAPER- IV**

**Time : 3 hours**  
**Max. Marks : 100**

**MED/D/11/11/IV**

**Attempt all questions in order.**  
**Each question carries 10 marks.**

1. Describe the nerve supply of urinary bladder and discuss the physiologic basis of automatic bladder. 5+5
2. Enumerate parasitic infestations of central nervous system. Describe the diagnosis and management of neurocysticercosis. 3+3+4
3. Describe various diagnostic tools for detection of pulmonary and extrapulmonary tuberculosis. 5+5
4. Classify dyslipidaemias and describe various management strategies. 4+6
5. Discuss vitamin B<sub>12</sub> absorption and consequences of its deficiency. 4+6
6. Discuss the role of Renin-Angiotensin-Aldosterone axis in the pathogenesis of essential hypertension. Discuss direct renin inhibitors. 3+7
7. Describe pathophysiology of Parkinson's disease. Describe clinical features and management of a patient with Parkinsonism. 4+2+4
8. Define febrile neutropenia. Describe its etiopathogenesis, diagnostic evaluation and management. 1+2+3+4
9. Describe pathophysiology, diagnostic evaluation and management of primary pulmonary hypertension. 3+3+4
10. Define evidence based medicine. Describe the key processes and mention the currently available tools. 2+5+3

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