

GENERAL MEDICINE

PAPER – I

Time : 3 hours
Max. Marks : 100

MED/D/10/11/I

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

Write short notes on:

1. Causes and diagnostic evaluation of a patient suffering from pyrexia of unknown origin.
2. Types, clinical presentation and management of normal pressure hydrocephalus.
3. What is Anion Gap? Describe its significance in evaluation of Blood Gas Analysis.
4. Causes and diagnostic evaluation of a patient with acute diarrhea.
5. Predisposing conditions, clinical features and treatment of Pellagra.
6. Define anti-phospholipids syndrome and describe its diagnostic criteria and management.
7. Diagnosis and management of renal osteodystrophy.
8. Define Bone Marrow Failure Syndrome and describe its management.
9. What is pre-hypertension; describe the risk factors associated and its management.
10. Etiological causes, clinical presentation and management of ventilator associated pneumonia.

GENERAL MEDICINE

PAPER – II

Time : 3 hours
Max. Marks : 100

MED/D/10/11/II

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

1. Define autoimmune hepatitis. Describe its immuno-pathogenesis and management.
2. What are the causes of superior vena caval obstruction? Describe its clinical presentation and investigative approach.
3. Describe Duke's criterion for infective endocarditis.
4. Define Gullian Barre Syndrome. Describe its immuno-pathogenesis, diagnostic criteria and management.
5. Describe the causes of sub-clinical hypothyroidism and current line of management.
6. Define Acute Respiratory Distress Syndrome. Describe its clinical course and management.
7. Describe the clinical manifestations and management of scorpion sting/bite.
8. What are asphyxiants? Describe their mode of action. Comment briefly on clinical features and treatment of asphyxiant poisonings.
9. Describe clinical presentation and management of HIV associated nephropathy.
10. Define Waldenstorm's macroglobulinemia. Describe its clinical presentation, diagnostic evaluation and treatment.

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PAPER – III

Time : 3 hours
Max. Marks : 100

MED/D/10/11/III

Attempt all questions in order.
Each question carries 10 marks

1. Define MDR-TB and XDR-TB. How to suspect it and drug protocol used in MDR-TB?
2. Define and enumerate common autosomal recessive disorders. Describe the genetic disturbances and clinical manifestations of Freidrick's Ataxia.
3. Enumerate the causes of Erythema Nodosum and describe its management.
4. Describe the ill effects of smoking and steps to help smoking cessation.
5. Define brain death and outline the means of ascertaining brain death.
6. How would you investigate a case of hirsuitism?
7. Discuss Irritable Bowel Syndrome with respect to pathophysiology, clinical presentation and management.
8. Describe various ventilatory functions. What are normal flow volume curves and how to differentiate between obstructive and restrictive lunge disease.
9. Describe clinical presentation and management of hypertrophic cardiomyopathy.
10. Describe the diagnostic criteria and management of gestational diabetes.

GENERAL MEDICINE

PAPER – IV

Time : 3 hours
Max. Marks : 100

MED/D/10/11/IV

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

1. Discuss the structure and function of spleen. How does splenectomy alter the response to microbial infection?
2. Describe Uric Acid Metabolism. What are the mechanisms of hyperuricaemia and what are its complications?
3. Discuss the mechanism of resistance to antimicrobial agents.
4. Define epidemiology. Discuss its various components and utility as applicable to clinical medicine.
5. Discuss the differential diagnosis of headache and describe the pharmacological modalities for the treatment of migraine.
6. What are the principles of immunization? Discuss adult immunization.
7. Discuss parenteral nutrition and the hazards associated with its long term use.
8. Describe aetiopathogenesis, hazards and treatment modality of obesity.
9. List various types of ionizing radiation. What are their biological effects? Comment on role of radiation therapy with relation to cancer.
10. What is a case definition of Novel Influenza A (H1N1)? Describe the guidelines for sample collection (including handling) for laboratory diagnosis.