

## GASTROENTEROLOGY

### PAPER – I

Time : 3 hours  
Max. Marks : 100

GASTRO/ D/10/10/I

Attempt all questions in order.  
Each question carries 10 marks

Write short notes on:

1. Structure & function of the human proton pump.
2. Biological basis and diagnosis of Glycogen storage disorders (Type I).
3. Normal gut microbiota & its role in gut immunity.
4. Methods of nutritional assessment in clinical practice.
5. Mechanism of action of Calcineurin Inhibitors.
6. Role of oxidative stress in pathogenesis of chronic pancreatitis
7. Technique and clinical implications of Hepatic Venous Portal Gradient (HVPG):
8. Maternal-Fetal Transmission of Hepatitis B & C.
9. Life cycle and clinical manifestations of *Strongyloides stercoralis* infection.
10. Aetiopathogenesis of colorectal cancer.

## GASTROENTEROLOGY

### PAPER – II

Time : 3 hours

GASTRO/ D/10/10/II

Max. Marks : 100

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

**Write short notes on:**

1. Anatomy, clinical presentation and diagnosis of Dieulafoy's lesion of GI tract.
2. Classification, diagnosis and management of Gastric neuroendocrine tumors.
3. Definition, diagnosis and management of Refractory Celiac disease.
4. Clinical utility and limitations of Montreal classification of Inflammatory Bowel Diseases.
5. Define RVR, SVR & ETR and its clinical importance in patients with chronic hepatitis C on combination with pegylated interferon and ribavirin.
6. Recent advances in management of severe acute pancreatitis
7. Diagnosis, clinical features and management of Collagenous colitis.
8. Pathophysiology and diagnosis of Pseudomyxoma peritonii.
9. Diagnosis and management of Fibrolamellar Hepatocellular Carcinoma.
10. Diagnosis and pathophysiology of Gastrointestinal Stromal tumors (GIST).



## GASTROENTEROLOGY

### PAPER – III

Time : 3 hours  
Max. Marks : 100

GASTRO/ D/10/10/II

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

**Write short notes on:**

1. Principle & clinical application of Narrow Band Imaging Endoscopy.
2. Indications & results of biologic therapy in patients with Idiopathic Ulcerative Colitis.
3. Endoscopic Mucosal Resection and Endoscopic submucosal dissection for lesions of upper GI tract.
4. Utility & principles of Breath tests for diagnosis of Small Intestinal Bacterial Overgrowth (SIBO).
5. Principles and utility of Fibroscan in chronic liver disease.
6. Scoring systems for prognostication in acute upper GI bleed.
7. High resolution manometry for diagnosis of motility disorders of esophagus.
8. Diagnosis, management and prognosis of Intraductal papillary mucinosis tumors of pancreas.
9. Clinical presentation and diagnosis of Vanishing bile duct syndrome.
10. Refeeding Syndromes.