

**GASTROENTEROLOGY**

**PAPER- I**

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

**GAS/D/11/10/I**

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

**Write short notes on:**

1. Structural anatomy of the human pancreas with special reference to its embryology and developmental anomalies. 10
2. Pathophysiology of acid secretion and hyper-secretory states. 10
3. Role of gastro-intestinal peptides in obesity. 10
4. Structure and function of hepatic Stellate cell and its role in portal hypertension. 10
5. Relations of liver disease with lipid abnormalities. 10
6. Metabolism of alcohol in stomach and liver. 10
7. Genome of hepatitis B virus with a note on different mutations and their significance. 10
8. Normal gut flora and pathogenesis of Small Intestinal Bacterial Overgrowth Syndrome. 10
9. Mechanism of NSAID injury to the stomach & small bowel. 10
10. Anatomy and clinical significance of gastric Dieulafoy's lesion. 10

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**PAPER- II**

Time : 3 hours  
Max. Marks : 100

GAS/D/11/10/II

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

Write short notes on:

1. Pathophysiology, diagnosis and management of diverticular disease of colon. 10
2. Diagnosis and management of "Pouchitis" in patients with inflammatory bowel disease. 10
3. Hepatic Sinusoidal obstruction with reference to etiology, clinical features and severity criteria. 10
4. Pathogenesis and clinical significance of gall stones. 10
5. Diagnosis and management options of adenocarcinoma in Barrett's esophagus. 10
6. a. Define protein losing enteropathy and enumerate common causes. 5+5  
b. Investigative approach for patient with protein losing enteropathy.
7. a. Define Potential Celiac disease. 2+8  
b. Diagnostic criteria and natural history of Potential Celiac disease.
8. a. Diagnosis of functional dyspepsia. 2+8  
b. Drug treatment of functional dyspepsia.
9. Idiopathic adult ductopenia: Clinical and histopathological features. 10
10. Indications and results of infliximab therapy in patient with ulcerative colitis. 10

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**PAPER- III**

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

**GAS/D/11/10/III**

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

**Write short notes on:**

1. Role of mTOR inhibitors in the treatment of acute rejection following orthotopic liver transplantation. 10
2. Occult GI bleed: Definition, diagnosis and management. 10
3. Bariatric procedures for morbid obesity: Selection criteria, treatment options and complications. 10
4. Clinical profile, diagnosis and management of auto-immune pancreatitis. 10
5. Role of EUS in staging and management of esophageal carcinoma. 10
6. a. Define hepato-renal syndrome (HRS). 4  
b. Drug treatment and outcome of HRS. 6
7. Enteral nutrition in acute pancreatitis: Access methods and complications. 10
8. Therapeutic options and results of CBD stricture in patients with chronic pancreatitis. 10
9. Role of Position Emission Tomography in GI malignancies. 10
10. Treatment options and results of therapy for organized pancreatic necrosis. 10

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