

# DM [Gastroenterology]

BF/2009/05

## Basic Sciences as related to Gastroenterology

[Paper -I]

**Time : 3 Hours**

**M.M.: 100**

*Note : Attempt all questions. All questions carry equal marks.*

1. Lymphatic drainage of Stomach.
2. Lower Esophageal Sphincter.
3. Pathogenesis of Gall stone formation.
4. Congenital anomalies of Pancreas.
5. Stellate Cells of Liver.
6. Giardia Lamblia.
7. Jejunal biopsy.
8. Campylobacter Jejuni infection.
9. Biologic agents for inflammatory bowel disease.
10. Pathogenesis of hepatic encephalopathy.

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## Principles of Gastroenterology

[Paper -II]

**Time : 3 Hours**

**M.M.: 100**

*Note : Attempt all questions.*

1. Describe pathogenesis of Cholera and its treatment. [15]
2. What are the determinants of outcome after treatment of Chronic hepatitis C. [15]
3. What is the role of genetics in understanding pathogenesis of Pancreatitis. [15]
4. Describe the pathogenesis of immunoproliferative small intestinal disease. [15]
5. How does Ascites occur in chronic liver disease? [15]
6. **Write short notes on:** [25]
  - a. Indications and techniques of Esophageal pH measurement.
  - b. Non-cirrhotic portal fibrosis.
  - c. What information does serum alkaline phosphatase measurement give you?

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## Practice of Gastroenterology

[Paper -III]

**Time : 3 Hours**

**M.M.: 100**

*Note : Attempt all questions.*

1. Discuss etiopathogenesis, clinical features, diagnosis and assessment of disease severity in Ulcerative colitis.  
Describe management of acute refractory attack and steroid dependant state of ulcerative colitis. [40]
2. **Write short notes on:**
  - a. Acute on chronic liver failure in asian perspective. [10]
  - b. Role of helicobacter Pylori in genesis of Gastric carcinoma. [10]
  - c. Role of oxidative stress in chronic Pancreatitis and antioxidants for its management. [10]
3. **Write short notes on:**
  - a. Role of optical coherence tomography in management of G.I. diseases. [10]
  - b. HBV resistance to nucleoside/nucleotide analogues : their clinical relevance. [10]
  - c. Endoscopic disinfection : disinfectants, technique for disinfection. [10]

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## Recent advances in Gastroenterology

[Paper -IV]

**Time : 3 Hours**

**M.M.: 100**

*Note : Attempt all questions. All questions carry equal marks.*

1. Endoscopic subsurface imaging of the Upper G.I. tract.
2. Recent advances in capsule endoscopy.
3. Single balloon enteroscopy.
4. STAT - C drugs.
5. Anti -TNF - alpha agents.
6. Probiotics : doses, indications an evidence.
7. NOTES.
8. Immuno nutrition.
9. Evaluation of anorectal function.
10. Small intestinal transplantation.

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