

GASTROENTEROLOGY

PAPER-III

GASTRO/J/18/10/III

Time: 3 hours

Max. Marks:100

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space
- Answer all the parts of a single question together.
- Start the question to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

- Indications and brief technique of endoscopic mucosal resection (EMR) and endoscopic submucosal dissection (ESD) 5+5
  - Role of radiofrequency ablation therapy in Gastroenterology
- Emerging anti-reflux endoscopic techniques 5+5
  - Evaluation and management of colonic stricture in ulcerative colitis
- Classify various Gastrointestinal polyposis syndrome 4+6
  - Molecular (genetic) alterations in the development of colon cancer.
- Clinically relevant classification of Crohn's disease and its implications for management 5+5
  - Would you recommend surveillance for colon cancer in patients with inflammatory bowel disease? Give reasons.
- What are the immune mechanisms causing intestinal injury in celiac disease? 6+4
  - Write a short note on Hirschsprung's disease
- Definition and causes of short bowel syndrome. 4+6
  - Management of short bowel syndrome
- NSAID induced enteropathy: Pathophysiology, clinical features & management. 5+5
  - How would you investigate and manage a 65-year-old patient presenting with acute abdominal pain and is found to have mesenteric venous thrombosis?
- Clinical features, investigations and management of small intestinal bacterial overgrowth 5+5
  - Gut virome
- Fecal calprotectin 5+5
  - Management of perianal fistula and abscess in patients who do not have inflammatory bowel disease
- Adalimumab: structure, pharmacology, indications in GI diseases and results 5+5
  - Wnt/ $\beta$ -catenin pathway in hepatocellular cancer

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