

GASTROENTEROLOGY

PAPER – III

Time : 3 hours
Max. Marks : 100

GASTRO/D/17/10/III

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 answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a. Sources of intra-luminal gas. 2+3+2+3
b. How these gases are produced intraluminally?
c. Enumerate the conditions with enhanced intraluminal gas production.
d. How do you treat them?
2. a. Pathophysiology of celiac disease. 5+.5
b. Enumerate the potential target for alternative therapy for celiac disease.
3. a. How is dietary fat digested and absorbed? 5+5
b. Tests for evaluation of fat malabsorption.
4. Common variable immunodeficiency (CVID): 2+3+2+3
a. When do you suspect?
b. Diagnostic criteria for CVID?
c. Characteristic features on duodenal biopsies
d. How do you treat CVID?
5. Screening and Surveillance of colorectal cancer: 3+4+3
a. Basis of screening for colorectal polyp and cancer
b. Screening schedule based on host and genetic factors.
c. Post polypectomy surveillance.
6. Pelvic floor dyssynergia: 2+3+3+2
a. When do you suspect pelvic floor dyssynergia in a patient with chronic constipation?
b. Diagnostic criteria.
c. How do you investigate?
d. Biofeedback.

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| 7. | a. Pathophysiological steps to highlight potential therapeutic target in Crohn's disease. | 6+4 |
| | b. Emerging drugs in Crohn's disease. | |
| 8. | a. Clinical presentation, endoscopic appearance and histology of Invasive Intestinal Amoebiasis. | 4+4+2 |
| | b. Normal anatomy of anal sphincter (with diagram) | |
| | c. Role of EUS in diagnosis of ano-rectal diseases. | |
| 9. | A small approximately 2 cm, neuroendocrine tumour was detected in the duodenum on an endoscopic examination done for dyspepsia. | 2+3+5 |
| | a. Factors on which you will decide the treatment. | |
| | b. How will you investigate? | |
| | c. How will you treat? | |
| 10. | a. Enumerate types of microscopic colitis | 2+3+5 |
| | b. Diagnostic criteria. | |
| | c. Short and long term treatment of microscopic colitis. | |
