

**GASTROENTEROLOGY**

PAPER – III

GASTRO/J/17/10/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 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) What is fecal microbiota transplantation (FMT)? What is its rationale? 4+3+3  
b) Current indications of FMT.  
c) What are the results of FMT in inflammatory bowel disease (IBD)? What are limitations of FMT?
2. Pathophysiology, diagnosis and management of eosinophilic esophagitis. 3+3+4
3. a) What is an 'indeterminate' biliary stricture? 2+4+4  
b) How do you evaluate an indeterminate stricture?  
c) What are the endoscopic options for benign biliary strictures?
4. a) BCLC (Barcelona Clinic Liver Cancer) classification of HCC and its significance. 2+4+4  
b) Indications for and results with various ablative techniques for HCC.  
c) Current and newer molecular targeted approaches for treatment of HCC.
5. a) Role of genetic mutations in pathogenesis of colorectal cancer (CRC). 5+5  
b) What are current options and results of chemotherapy in advanced CRC?
6. Technique, indications and limitations of CT enterography. 4+3+3
7. Mechanism of action, indications and efficacy of the following drugs: 5+5  
a) Obeticholic acid  
b) Everolimus

**P.T.O.**

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8. a) What are endoscopic bariatric procedures? 2+8  
b) Principles, techniques and results with commonly practised procedures.
9. a) What are newer biological agents being used in IBD? 2+8  
b) Role of newer biological agents in management of IBD.
10. a) What is digital chromoendoscopy? 2+4+4  
b) Principles of digital chromoendoscopy.  
c) Kudo's pit pattern in colonic polyps.

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