



GASTROENTEROLOGY

PAPER – III

GASTRO/D/14/10/II

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. Refractory Celiac Disease(RCD): 3+4+3
  - a) Definition,
  - b) Diagnostic approach and tests, &
  - c) Treatment.
2. Laboratory techniques (including newer molecular methods) for the assessment of gut microbiota. 10
3. Pathophysiology, symptoms, diagnosis and treatment of outlet obstruction type of fecal evacuation disorder. 10
4. Histological changes seen in patients with: 5+5
  - a) Ulcerative colitis, and
  - b) Solitary rectal ulcer.
5. Epidemiological and clinical features of: 5+5
  - a) Rotavirus infection, and
  - b) Norovirus infection.
6. Indications, results and adverse events of usage of biological therapy for ulcerative colitis. 3+5+2
7. What are the factors that determine the occurrence of long-standing radiation-induced bowel injury? Discuss the manifestations and treatment of this condition. 3+7
8. Principle, technique and utility of CT Enterography. 3+4+3
9. Endoscopic Submucosal Dissection(ESD) and its application in gastro-intestinal diseases. 10
10. Endoscopic procedures for morbid obesity: techniques, results, relative advantages and disadvantages. 3+2+3+2

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