

**SURGICAL GASTROENTEROLOGY**

PAPER-III

Time: 3 hours

GIS/J/19/46/III

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. What is pelvic exenteration? Mentions its indications, contraindications and outcome in patients with low rectal cancer. 2+8
2. Evaluation and management of patients with obstructed defecation syndrome (ODS). 5+5
3. What are the extra-intestinal manifestations of inflammatory bowel disease and discuss about the surgical options for Crohn's stenotic bowel segments? 5+5
4. What are the causes of acute mesenteric ischemia? Describe the management of a patient with acute superior mesenteric vein thrombosis. 3+7
5. What are study designs and discuss about meta-analysis? 5+5
6. Indications and complications of small bowel transplantation. 5+5
7. a) Management of septic shock  
b) ARDS. 5+5
8. Delayed small bowel anastomosis. 10
9. What are stem cells? Discuss the role of stem cells in Gastro-intestinal diseases. 3+7
10. Microbiome medicine 10

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