

SURGICAL GASTROENTEROLOGY

PAPER – I

Time : 3 hours
Max. Marks : 100

SURG.GASTRO/D/12/46/I

Attempt all questions in order.
Each question carries 10 marks

1. Enumerate various causes of paralytic ileus and describe its pathophysiology. 5+5
2. Describe the principle of enteral nutrition, types of enteral diets and advantages over parenteral nutrition. 5+2+3
3. Describe in detail the molecular basis of gastro intestinal stromal tumors. 10
4. Describe the role and practice of prophylactic antibiotics in G.I. surgery. 5+5
5. What is ischemic preconditioning of liver? Describe the basis and how it is practiced? 2+(4+4)
6. Describe the genetic basis of colo-rectal cancer. 10
7. Discuss the pathology and diagnostic criteria of auto-immune pancreatitis. 5+5
8. Describe the hepatic venous anatomy and the role of middle hepatic vein in living donor liver transplantation. 5+5
9. Describe the various endoscopic and imaging methods of evaluating the small intestine. 5+5
10. What is sensitivity, specificity, positive and negative prediction values of a test? How are they calculated? 4+6

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PAPER – II

Time : 3 hours
Max. Marks : 100

SURG.GASTRO/D/12/46/II

**Attempt all questions in order.
Each question carries 10 marks**

1. Discuss the evaluation and principles of management of a patient with squamous cell carcinoma of the lower third of the esophagus. 4+6
2. Discuss the evaluation and management of post ERCP complications. 4+6
3. Describe the classification, current grading and methods of diagnosis of gastroentero-pancreatic neuroendocrine tumors (GEP-NETs). 3+3+4
4. Describe the approach to massive lower gastro-intestinal hemorrhage in an algorithmic manner. 10
5. What is pouchitis? Describe its pathophysiology and management? 2+(4+4)
6. Describe in detail the procedure of retrieval of liver from a brain-dead cadaver and its preservation. 6+4
7. Discuss the management of a patient with acute pancreatitis referred to you with abdominal distension and persistent fever in the third week of illness. 10
8. Describe in detail the laparoscopic surgical treatment of achalasia cardia and critically evaluate the surgical treatment with non-surgical modalities of treatment. 10
9. Discuss the management of a patient with peritoneal fluid amylase of 800 units (serum amylase 150 units) on the third day following Whipple's pancreatico-duodenectomy. 10
10. Discuss the management of a 70 years old patient with obstructive jaundice due to hilar block with a history of coronary bypass surgery ten years back. 10

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PAPER – III

Time : 3 hours

Max. Marks : 100

SURG.GASTRO/D/12/46/III

Attempt all questions in order.

Each question carries 10 marks.

1. Describe the common immuno-suppressive agents and mention a schedule of immuno-suppression after liver transplantation. 5+5
2. Critically evaluate various techniques of pancreatico-enteral anastomoses. 10
3. What is the current perspective on pre-operative colon preparation? Discuss the associated controversies. 5+5
4. Critically evaluate the role of bariatric surgery in the treatment of type II diabetes mellitus. 10
5. Discuss the role of endoscopic ultrasound in the evaluation of various conditions in G.I.surgery. 10
6. Describe the evidence based role of neoadjuvant treatment in various cancers affecting G.I. tract. 10
7. Describe the various functional imaging techniques of G.I tract and their importance in the evaluation of various disorders. 10
8. Enumerate the biliary complications after liver transplantation. Discuss their causes, prevention and management. 2+(2+2+4)
9. Discuss the indications, technique and complications of transarterial chemoembolisation. 3+3+4
10. Discuss the principle of WHO surgical safety checklist. 10
