

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MS (GENERAL SURGERY) DEGREE EXAMINATION – JULY 2025**  
**PAPER I**

Wednesday, July 09, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw neat labeled diagrams, flow charts or algorithms where appropriate.**

1. Describe the surgical anatomy of the Myopectineal Orifice of Fruchaud. Discuss the surgical importance of it. How do you dissect it in open versus laparoscopic approach?  
(10 marks)
2. A 45-yr old female weighing 65 Kgs presents to the casualty with 40% second thermal burns 6 hours after the incidence. She is mildly breathless on examination. Discuss her management in detail for the first 24 hrs after admission.  
(10 marks)
3. A 70-yr old man presents with persistent vomiting and is found to have a Carcinoma of the Pylorus of stomach producing complete obstruction.  
3A. Discuss the electrolyte abnormalities seen in this gentleman with assertions and reasoning.  
3B. What is Paradoxical Aciduria and how do you diagnose and manage it.  
(5+5 = 10 marks)
4. What are the levels of Evidence used in Research methodology? Discuss in brief about each level of evidence.  
(3+7 = 10 marks)
5. A 50-yr old man presents with multiple enlarged neck nodes and is found to have Tuberculosis on investigation.  
5A. Discuss the relevant specific investigations.  
5B. Write briefly on Surgical anatomy of cervical lymph nodes with its surgical significance.  
(10 marks)
6. What is a BIOFILM? Discuss its relevance to surgical management.  
(10 marks)

7. Classify Lymphedema and mention its clinical differentiation. How do you manage a lady who presents with upper limb lymphedema after a modified radical mastectomy?  
(4+6 = 10 marks)
8. What is a Linear Accelerator? What is Hyper fractionation?  
(5+5 = 10 marks)
9. How do you classify methods of sterilization of surgical instruments and prosthesis? Write a brief note about the autoclave.  
(6+4 = 10 marks)
10. A 22-yr old man is involved in a Road Traffic Accident. He has a Pulse rate of 120 beats / min and a blood pressure of 90/60 mm Hg on arrival to casualty. Discuss his initial management in the Emergency room.  
(10 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MS (GENERAL SURGERY) DEGREE EXAMINATION – JULY 2025**  
**PAPER II**

Thursday, July 10, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer all the questions.**  
✍ **Draw neat labeled diagrams, flow charts or algorithms where appropriate.**

1. Discuss the management of a 65 year old patient who has unilateral level 2 lymph nodes in neck, FNAC of which proved squamous cell carcinoma.
2. Merits and demerits of total/three field and transhiatal esophagectomy.
3. Complications and management of duodenal blow out.
4. Early gastric cancer - classification, diagnosis and management.
5. Anatomical and operative landmarks/ features for prevention of recurrent laryngeal nerve injuries.
6. Post-operative oliguria following intestinal resection - diagnosis and treatment.
7. How do you manage a patient with grade 3 laceration of spleen who is stable on admission but FAST done at triage mentioning about 200 ml of blood in the peritoneal cavity.
8. Describe anatomy of retroperitoneal spaces and management of retroperitoneal hematoma.
9. Investigations and their interpretations in carcinoma colon.
10. Describe any four common causes and management of bleeding per rectum (fresh) in 65 year old man.

(10 marks × 10 = 100 marks)

