

MINIMAL ACCESS SURGERY

THEORY PAPER

Time : 3 hours

Max. Marks : 100

Attempt all questions in order.

Each question carries 10 marks.

Write short notes on:

1. Enumerate causes of ureteropelvic junction (UPJ) obstruction. Briefly describe the role of minimal access surgery in management of UPJ obstruction in an adult. 2+8
2. Briefly describe the pathophysiology of pulmonary changes during laparoscopic surgery. Enumerate likely pulmonary complications and their management in laparoscopic surgery. 3+(3+4)
3. Briefly describe the indications, contraindications, operative steps and complications of laparoscopic distal pancreatectomy. 2+1+5+2
4. Give outlines of complications following laparoscopic inguinal hernia repair. 10
5. Enumerate the sites for congenital diaphragmatic hernia. Briefly describe the pathological changes, clinical features and operative steps of laparoscopic repair of left congenital hernia presenting in an adult. 2+(2+2+4)
6. Enumerate complications in long standing varicose veins. Briefly describe the minimal access surgical techniques used for management of varicose veins. 3+7
7. Enumerate limitations of minimal access surgery. Briefly describe the mechanism of electrosurgical injuries and methods of their prevention during laparoscopic surgery. 3+(3+4)
8. Classify hyperparathyroidism. Briefly describe clinical features and preoperative localization tests for hyperfunctioning parathyroid glands. Give outlines of minimally invasive parathyroidectomy with its advantages. 2+(2+2)+4
9. What is SILS? What are its advantages and disadvantages in comparison to standard laparoscopic surgery? 4+(3+3)
10. Briefly describe the basic principles of robotic surgery and compare its pros and cons with laparoscopic surgery. 6+2+2
