

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:

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| 1. | a) Barbed sutures. | 4+6 |
| | b) Contraindications for laparoscopic surgery. | |
| 2. | a) Describe the different mesh fixation devices used in laparoscopic hernia repair. | 5+5 |
| | b) Discuss the physiology of pneumoperitoneum. | |
| 3. | Discuss the principles, steps and advantages the eTEP-RS approach for ventral hernia repair. | 2+5+3 |
| 4. | a) Diagnostic laparoscopy. | 5+5 |
| | b) Abdominal wall lift devices. | |
| 5. | a) Laparoscopic live donor nephrectomy. | 5+5 |
| | b) Classification of bile duct injuries. | |
| 6. | a) Laparoscopic stapling devices. | 5+5 |
| | b) Discuss the various complications of laparoscopic inguinal hernia repair. | |
| 7. | a) Describe the minimally invasive treatment options for varicose veins of the lower limb. | 5+5 |
| | b) Laparoscopic ultrasound. | |
| 8. | a) Discuss the mechanisms of weight loss after laparoscopic sleeve gastrectomy. | 5+5 |
| | b) Briefly describe the various complications of this procedure. | |
| 9. | a) Discuss the various complications of laparoscopic anterior resection for rectal carcinoma. | 5+5 |
| | b) Complications of laparoscopic oesophagectomy. | |
| 10. | a) Describe the different approaches for laparoscopic splenectomy. | 5+5 |
| | b) Briefly describe the complications of laparoscopic splenectomy. | |
