

**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. a) Preoperative workup of a patient for bariatric surgery. 5+5  
b) Describe the various endoscopic bariatric procedures.
2. a) Management of chronic groin pain after inguinal hernia repair. 5+5  
b) Direct, indirect and capacitative coupling.
3. Limitations of minimal access surgery. 10
4. a) Indications of VATS 4+6  
b) Causes and treatment of spontaneous pneumothorax.
5. a) Laparoscopic management of Mirizzi's syndrome. 5+5  
b) OPSI
6. a) Aetiopathogenesis of incisional hernia 4+6  
b) Indications and principles of component separation technique for incisional hernia repair.
7. a) Scoring systems for GERD 5+5  
b) Complications of laparoscopic anti-reflux surgery
8. a) Describe the different approaches and port placement for laparoscopic nephrectomy 5+5  
b) Role of intra-operative cholangiography in laparoscopic cholecystectomy.
9. a) Role of computers and internet in teaching and training of Minimal Access Surgery. 5+5  
b) Outline the concerns about surgical smoke evacuation during the Novel Corona virus pandemic and the ways to tackle the same.
10. a) Role of Laparoscopy in acute abdomen 5+5  
b) Blood supply and relevant anatomy of stomach in relation to laparoscopic distal gastrectomy.

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