Write short notes on:

1. A 30 years old male presents in emergency in a state of shock. His airway and breathing are normal.
   a) How will you conduct his cardiovascular resuscitation?
   b) Monitoring modalities required for this patient.

2. a) Pathophysiology of wound healing.
   b) Enumerate factors influencing the healing of a wound.
   c) What are the differences between tidy and untidy wounds?

3. a) Enumerate different types of drains used in surgery.
   b) What are the advantages and disadvantages of using abdominal drains?
   c) Chest drain used for hemothorax.

4. A 30 years old male presents with a scrotal swelling of six months duration. On examination, there is 8X8 cm swelling involving right hemiscrotum.
   a) Enumerate the differential diagnosis.
   b) Give outlines of relevant investigations.
   c) How will you treat the case if diagnosis is hydrocele?

5. A 70 years old female is planned for elective repair of paraumbilical hernia and she is suffering from COPD.
   a) Enumerate likely perioperative complications in this case.
   b) Give steps of preoperative, intraoperative and postoperative measures to prevent these complications.

6. a) Give outlines of nutritional support to a malnourished patient of carcinoma esophagus planned for esophagectomy.
   b) Enumerate complications of total parenteral nutrition.

7. a) Enumerate causes of ‘acute red eye’.
   b) Clinical features and management of acute glaucoma.

P.T.O.
8. a) Principles of computerized tomography & MRI. (3+3)+(2+2)
   b) What are the strength and weakness of computerized tomography?

9. A 50 years old female is suffering from lump in breast for last one year. 4+6
   a) How will you investigate her?
   b) Treatment modalities if the diagnosis comes out to be carcinoma breast.

10 a) What is ‘glue ear’? 2+(3+5)
     b) Clinical features and management of glue ear.