Write short notes on:

1. a) Investigations for a suspected case of renal stone disease.  
b) Outline of methods of stone removal in a case of renal stones.  
   4+6

2. a) Enumerate causes of bleeding per rectum.  
b) Clinical features and management of third degree hemorrhoids.  
   3+(3+4)

3. a) What are the causes of acute intestinal obstruction?  
b) Clinical features and management of adhesive small bowel obstruction.  
   3+(3+4)

4. a) Investigations in a case of obstructive jaundice.  
b) Principles of ultrasound.  
c) What are the ultrasonological findings of a case of gall stones with CBD stone?  
   3+4+3

5. a) Enumerate causes of inguinal swelling.  
b) Clinical features and management of direct inguinal hernia in a 50 years old male.  
   3+(3+4)

6. a) Enumerate causes of leg ulcers.  
b) Clinical features and management of leg ulcer due to venous disease.  
   3+(3+4)

7. Pathophysiology, clinical features and treatment of tension pneumothorax.  
   3+3+4

8. a) Enumerate causes of cystic swellings in the neck.  
b) Clinical features and management of thyroglossal cyst.  
   3+(3+4)

P.T.O.
9. A 20 years old male has sustained blunt abdominal trauma in a road traffic accident and he is hemodynamically stable.
   a) Investigations in this case.
   b) Briefly describe the FAST technique with its advantages and disadvantages in this case.

10. a) Enumerate malignant lesions of skin.
    b) Clinical features, types and management of basal cell carcinoma involving face.