1. What are the indications of blood transfusion? Briefly describe principles of blood grouping and cross matching. Enumerate complications of blood transfusion.

2. Enumerate antisepsics commonly used in general surgical practice. Briefly describe their usage. Give steps of skin preparation before excision of a lipoma on shoulder.

3. A 20 years female presented with cervical lymphadenopathy of six month duration. What are the differential diagnoses? Give outline of relevant investigations. How will you treat the case if diagnosis is tuberculosis?

4. A 20 year old male has suffered deep burns involving front and back of his chest and abdomen 6 hours ago. His weight is 60 kgs.
   a) What is the percentage of his burns?
   b) Give outline of fluid resuscitation for this patient.
   c) Management of his burn wounds.

5. a) Plain x-ray findings in a case of intestinal obstruction.
   b) Enumerate causes of paralytic ileus.
   c) Give outlines of management of a case of paralytic ileus.

6. a) Enumerate causes of acute retention of urine.
   b) Steps of urethral catheterization in a 60 year old male.
   c) Enumerate complications of urethral catheterization.

7. a) Define quinsy.
   b) Enumerate indications of tonsillectomy.
   c) Give outlines of complications of tonsillectomy and their management.

8. a) Enumerate causes of periorbital swelling.
   b) Clinical features, diagnosis and treatment of external angular dermoid.

P.T.O.
9.   a) What are the causes of frozen shoulder?  
    b) Clinical features, investigations and treatment of frozen shoulder.

10.  a) Enumerate commonly used local anaesthesia techniques.  
     b) Enumerate various local anaesthetic drugs.  
     c) How will you manage pain following multiple rib fractures due to chest trauma in a young male?

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