NB: All questions carry equal marks.
All questions are compulsory.
Illustrate your answers with neat diagrams wherever necessary

1. Write an account on:
   a). Blood group determination techniques
   b). Investigations of disseminated intravascular coagulopathy

OR

1. Write an account on:
   b). Tapping of a blood donor and steps taken to manage hypotension during blood donation.

2. Describe:
   a). Investigations of β-Thalassaemia.

OR

2. Describe:
   a). Investigations of Iron deficiency anaemia
   b). Preparation of FFP, its shelf life, storage temperature and clinical use.

3. Write notes on:
   a). Types of Plasmodium parasites.
   b). Life cycle of Trypanosoma gambiense.

OR

3. Write notes on:
   a). General characters of Trematodes and explain the distinguishing features of Schistosomes.
   b). Write the names of 5 bacterial diseases. Explain the general characters of pathogens.

4. Describe:
   a). Life cycle of Taenia solium.
   b). Life cycle of Entamoeba histolytica

OR

4. Describe:
   a). Parasitic adaptations
   b). Classification and general characters of Helminths.

5. Write short notes on any three of the following:
   a). Osmotic fragility test
   b). Quality control for blood group sera
   c). Lee and White clotting time
   d). HIV virus
   e). Wuchereria bancrofti
   f). Morphological forms of haemoflagellates