Instructions:

1. Answer the following:
   
   (a) Differentiates between sterilization and disinfection.
   
   (b) How do ionizing radiations kill microbes?
   
   (c) Enlist materials in first aid box.
   
   (d) List various ways to use moist heat for sterilization.

2. Write in details on any two of the following:
   
   (a) Phenol – coefficient technique.
   
   (b) Give brief explanation about various functional components of Clinical Laboratory.
   
   (c) Medico-legal aspects of clinical practice.
3 Answer on any two of the following:

(a) Hot Air Oven
(b) Biosafety levels for infectious agents.
(c) Code of Ethics for lab technician.

4 Write on any two of the following:

(a) Give characteristics of ideal antimicrobial chemical agents.
(b) List important chemical agents used for sterilization and describe Aldehyde.
(c) Physical aspects of laboratory set up.