AB-3141
Third Year B. Sc. (Sem. V) Examination
March/April – 2015
Microbiology
(GE : Microbiology Laboratory Hazards & Precautions)

Time : 2 Hours] [Total Marks : 50

Instructions :

(1) Figures to the right indicate full marks.

1 Give specific answers :
   (1) State two safe techniques used for avoiding the dispersal of infectious materials
   (2) Define toxic chemical with example.
   (3) What is biological safety cabinet ? State its classes.
   (4) State four causes of electrical hazards in the laboratory.
   (5) Define containment and state its importance in the laboratory.
   (6) State causes for cuts and pricks in the laboratory.

2 Explain / Comment on any two of the following :
   (1) Various safe techniques are used in relation to pipettes, pipetting aids and opening of lyophilized ampules.
   (2) Many common hazards arise in microbiology laboratory.
   (3) Carcinogenic chemicals require specific technique for handling, storage and use.

AB-3141] [Contd...
3 Attempt any two of the following:

1. Various equipments are designed to eliminate infections causing hazards.
2. Explain safety precautions against infection.
3. Discuss various dangerous chemicals used in laboratory.

4 Write short notes on any two of the following:

1. Hazard warning symbols
2. Fire fighting equipments
3. Precautions for handling of blood and body fluids.