



DG-3141

Third Year B. Sc. (Sem. V) Examination

March/April – 2016

Microbiology (GE)

(Microbiology Laboratory Hazards and Precautions)
(New Course)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य बपवी. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
Third Year B. Sc. (Micro) (Sem. V)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
Microbiology : GE (New)		<input type="text"/>	
Subject Code No. : 3 1 4 1		Section No. (1, 2,.....) : Nil	
		Student's Signature	

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagram wherever necessary.

- 1 Give specific answers : 12
- State the commonest causes of infections in laboratory.
 - State the safety features of class I and class II biological safety cabinet.
 - Enlist two safe techniques for the use of pipettes and how pipetting procedure responsible for laboratory infection ?
 - State laboratory hazards due to explosive chemical. Give two examples of it.
 - State the storage of compressed and liquified gases in the laboratory.
 - Define Decontamination. Name two recommended decontaminants.
- 2 Explain / Comment on any two of the following : 12
- CDC has announced the universal precautions for laboratories.
 - Toxic effects of chemicals is the paramount hazardous factor in the laboratory.
 - Various safety techniques are suggested for avoiding, dispersol, ingestion and injection of infectious materials.

- 3** Attempt any two of the following : **16**
- (a) Discuss the various equipments designed to eliminate or reduce equipment hazard.
 - (b) Discuss the causes of fire in the laboratory and role of extinguishers used in such circumstances.
 - (c) What is the significance of the use of instruments ? Discuss safe use of freezer, shaker, homogenizers, sonicators in detail.
- 4** Write short notes on any two of the following : **10**
- (a) Laboratory First Aid box.
 - (b) Common hazards in laboratory.
 - (c) Chemical spillage.
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