



RAN - 2203000206030074

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T.Y.B.Sc. Microbiology (Sem. VI) Examination April - 2023

Paper-GE4 : Biosafety in Microbiology Laboratory

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशाविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. Microbiology (Sem. VI)

Name of the Subject :

Paper-GE4 : Biosafety in Microbiology Laboratory

Subject Code No.: **2203000206030074**

Seat No.:

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Student's Signature

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

Q 1. Answer the following in short: (08)

1. What are the different disposal methods for laboratory waste?
2. Give examples of highly flammable and extremely flammable chemicals.
3. Enlist the critical elements for effective building maintenance.
4. State the differences between classes of Biological safety cabinets in terms of exhaust system.

Q 2. Explain in detail any 2 of the following: (14)

1. Discuss in brief Biosafety levels.
2. Explain the selection criteria for the biological safety cabinet.
3. Discuss in detail importance and universal precautions recommended by NIH and CDC for biosafety.

Q 3. Attempt the following: (Any two) (14)

1. What are the risk groups in a microbiology laboratory. Explain with examples the microbial risk assessment.
2. State the difference between the three biological safety cabinets.
3. Discuss the methods and colour coding schemes for the segregation of biomedical laboratory waste.

Q 4. Write short notes on any 2 of the following: (14)

1. Training Programmes
 2. Microbial risk assessment
 3. Biosafety committee
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