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RAN-2403000502066003

B.Sc. (NCF - NEP) (Sem. II) Examination April - 2025

Microbiology

Maintenance of Laboratory Equipment

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:
B.Sc. (NCF - NEP) (Sem. II)

Name of the Subject :
Microbiology Maintenance of Laboratory Equipment

Subject Code No.: 2403000502066003

Seat No.:

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Student's Signature

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

Q-1. Give specific answers. (Any Five)

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1. Enlist the basic components of electronic balance.
2. Which filter is used in the Biological Safety Cabinet's filtration system?
3. What does the "Heat" LED display signify in incubator?
4. What are the different types of rotors commonly used in centrifuges?
5. What is the purpose of the condenser in a microscope?
6. External tube of the pH electrode be periodically filled with which solution?

Q-2. Write a short note/ Comment on any two of the following:

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1. Explain in detail the operational principles of a pH meter.
2. Explain the appropriate management and storage practices for a centrifuge tubes.
3. Briefly describe about different types of mechanical balance.

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[P.T.O.]

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Q-3. Answer in Brief on any two of the following:

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1. Discuss the operational principles and characteristics of a Biological Safety Cabinet class I and III
 2. Discuss the proper cleaning and maintenance procedures for a microscope
 3. Write down recommendations for operation of incubator.
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