



RAN-2403000502066003

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

Microbiology (Paper - MB-SEC-202) Maintenance of Laboratory Equipment

Time: 2 Hours]

[Total Marks: 25

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
- (2) Figures to the right indicate full marks of the question.
- (3) Draw neat and labelled diagrams whenever necessary.

Seat No.:

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Student's Signature

Q. 1. Give specific answers. (Any Five) (05)

1. What is the main feature of an analytical balance?
2. How many HEPA filters are used in a Class III Biological Safety Cabinet?
3. Define-pH.
4. Enlist the components of centrifuge.
5. What is the function of the Incubator's door gasket?
6. What are the most important components of the binocular head of Microscope?

Q. 2. Write a short note/ Comment on any two of the following: (10)

1. Explain the operational principles of electronic balance.
2. What are the recommended general maintenance procedures for pH meter's body?
3. Discuss different types of rotors used in centrifuge.

Q. 3. Answer in Brief on any two of the following: (10)

1. Discuss the essential maintenance procedures required to keep the microscope in optimal working condition.
2. Explain different types of Biological Safety Cabinets with its operational principle and along with its specific levels of protection.
3. What are the key controls in an incubator?