

2403000502066003
EXAMINATION SEPTEMBER 2024 (ATKT EXAM)
BACHELOR OF SCIENCE (NCP-NEP) SEM-2
MBP-SEC-202- MAINTENANCE OF LABORATORY
EQUIPMENT

[Time: As Per Schedule]

[Max. Marks: 25]

Instructions:

1. **Fill up strictly the following details on your answer book**
 - a. Name of the Examination: **BACHELOR OF SCIENCE (NCP-NEP) SEM-2**
 - b. Name of the Subject: **MBP-SEC-202- MAINTENANCE OF LABORATORY EQUIPMENT**
 - c. Subject Code No: **2403000502066003**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Give the specific answers (Any five)

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- a. State the use of pH meter in laboratory?
- b. What are the recommended procedures for cleaning balance?
- c. Enlist component of centrifuge.
- d. What is the primary function of a biological safety cabinet?
- e. Give the application of incubator in laboratory.
- f. Enlist various application of microscope.

Q.2 Answer any two of the following.

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- a. What is the operational principle of pH meter?
- b. Write a note on general maintenance of balance in laboratory.
- c. What fundamental principle underlies the separation process within a centrifuge?"

Q.3 Answer the following (Any one)

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- a. What are some potential problems that can arise when using a microscope, and how can they be identified and addressed to ensure accurate observations?
- b. What are the routine maintenance tasks and specialized procedures involved in ensuring the proper upkeep and functionality of a biological safety cabinet?
