

2303000501028001
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (NCF-NEP)(FIRST SEMESTER)
MAJOR-2-BIOSCIENCE (MICROBIOLOGY) PAPER - II
THEORY (BASIC MICROBIAL TECHNIQUES) - LEVEL 2
(BM-102)

[Time: As Per Schedule]

[Max. Marks: 35]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (NCF-NEP)(FIRST SEMESTER)**
- b. Name of the Subject : **BIOSCIENCE (MICROBIOLOGY) PAPER - II THEORY (BASIC MICROBIAL TECHNIQUES)**
- c. Subject Code No : **2303000501028001**

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 Short answer question.

5

1. Give two examples of light microscope.
2. What is final magnification?
3. State the full form of TEM, SEM.
4. State the two method of isolation.
5. Describe disinfectants.
6. Give any two example of indicator dye.

Q.2 Answer any two of the followings.

10

1. Draw a neat & labelled diagram of microscope
2. Describe in brief various optical component of microscope
3. Explain - Bright-field v/s Dark-field microscope.

Q.3 Answer any two of the followings.

10

1. Explain - Classification of stain.

2. Write a note on - Gram staining.
3. Describe in brief mechanism of positive & negative staining.

Q.4 Answer any two of the followings.

10

1. Describe in brief sterilization by dry heat.
2. Write a note on - Isolation methods.
3. Explain - Autoclave.
