

2403000502016001
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (SECOND SEMESTER) (NEP)
MAJOR-1-MICROBIOLOGY PAPER - III THEORY (MICROBIAL
DIVERSITY) - LEVEL 1

[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 (SECOND SEMESTER) (NEP)**
 - b. Name of the Subject: **MAJOR-1-MICROBIOLOGY PAPER - III THEORY (MICROBIAL DIVERSITY) - LEVEL 1**
 - c. Subject Code No: **2403000502016001**
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 Answer the following questions (any FIVE)

5

- a. What is the locomotory structure used by bacteria?
- b. What are mesosomes?
- c. Define saprophytic mode of nutrition.
- d. What is yeast? Give one example of yeast.
- e. What are heterocysts?
- f. Which algae is used in space food?

Q.2 Write short note on the following (any TWO)

10

- a. Prokaryotic cell structure
- b. Characteristics of Chlamydia
- c. Mycoplasma

Q.3 Write short note on the following (any TWO)

10

- a. Fungal cell structure
- b. Asexual reproduction in fungi
- c. Economically important fungi

Q.4 Write short note on the following (any TWO)

10

- a. Structure of an algal cell
- b. Morphology of protozoans
- c. Economic importance of algae
