



RAN-2403000502038001

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

Bioscience (Microbiology) Minor - 2 (Paper - BM-MN-2) Biology of Microbes

Time: 1 Hour]

[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 labeled diagrams whenever necessary.

Seat No.:

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Student's Signature

Q. 1. Multiple choice questions. (Any Five)

(05)

1. _____ is a found in cell wall of archeobacteria.
 - a. Peptidoglycan
 - b. Pseudomurein
 - c. Murein
 - d. None.
2. Which of the following is present in cyanobacteria?
 - a. Trichome
 - b. Hormogonia
 - c. Akinetes
 - d. All
3. Which of the following is a ciliated protozoon?
 - a. Amoeba
 - b. Anabaena
 - c. Plasmodium
 - d. Balantidium
4. Which of the following is an asexual spore?
 - a. Blastospore
 - b. Chlamydospore
 - c. Sporangiospore
 - d. All
5. Dimorphic fungi has _____ forms
 - a. Y form
 - b. M form
 - c. Y & M form
 - d. Z form
6. Agar agar is obtain from _____
 - a. Bacteria
 - b. Algae
 - c. Fungi
 - d. Protozoa

Q. 2. Answer any two of the following.

(10)

1. Describe in brief types of bacteria.
2. Draw a neat & labelled diagram of ultrastructure Cyanobacterium.
3. Explain in brief the Life cycle of Plasmodium.

Q. 3. Answer any two of the following.

(10)

1. Write a note on reproduction of Mucor.
2. Draw a neat & labelled diagram of ultrastructure algal cell.
3. Discuss the characteristics of Fungi.