

RAN-2403000501018003
B. Sc. (NCF-NEP)(Sem. - I) Examination November - 2025
Bioscience (Microbiology) - Major - 1
Introduction to Microbiology (BM-MJ-101)
Time: 1 Hr 30 Min.]
[Total Marks: 38
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.
- (3) Draw neat & clean diagram wherever necessary.

Seat No.:

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Student's Signature

Q. 1 Multiple choice questions: (Any Eight)
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1. The main feature of prokaryotic organism is _____.
 - a. Absence of locomotion
 - b. Absence of nuclear envelope
 - c. Absence of nuclear material
 - d. Absence of protein synthesis
2. Monera include :
 - a. Staphylococci, Spirochete, Spirulina
 - b. Hydra, Amoeba, Paramecium
 - c. Candida, Euglena, Dianoflagellates
 - d. Mushroom, Paramecium, Euglena
3. Carl Linnaeus is famous for _____.
 - a. coining the term 'systematic'
 - b. introducing binomial nomenclature
 - c. giving all natural system of classification
 - d. all of these
4. Who introduced the theory of biogenesis?
 - a. Robert Koch
 - b. Pasteur
 - c. Needham
 - d. None of these
5. The antiseptic method was first demonstrated by _____.
 - a. Lord Lister
 - b. Lwanowski
 - c. Edward Jenner
 - d. Beijerinck
6. _____ is a study of gene & inheritance of bacteria.
 - a. Bacterial taxonomy
 - b. Bacterial ecology
 - c. Bacterial Genetics
 - d. All
7. Double helix structure of DNA was discovered by _____.
 - a. Watson & Crick
 - b. Avery, McLeod & McCarty
 - c. Harshey
 - d. Griffith

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| Q. 2 | Answer any two of the followings. | 10 |
| | <ol style="list-style-type: none">1. Describe in brief current position of microbes in the world2. Write a note on four & five kingdom classification.3. Explain - Unicellular microorganisms. | |
| Q. 3 | Answer any two of the followings. | 10 |
| | <ol style="list-style-type: none">1. Write a note on applied microbiology.2. Write a detail note on abiogenesis.3. Describe in brief Koch postulate. | |
| Q. 4 | Answer any two of the followings. | 10 |
| | <ol style="list-style-type: none">1. Describe in brief development in Biotechnology2. Write a note on development in modern immunology.3. Explain in brief contribution of Winogradsky & Beijerinck. | |