



RAN-2403000501018003

B.Sc. (NCF-NEP) (Sem. I) Examination March - 2026

Bioscience (Microbiology) (Major - I)

BM-MJ-101: Introduction to Microbiology

Time: 1 Hour 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. Which of the following is an incorrect one, except _____
 - a. Bacteria-Blue green algae-Yeast
 - b. Bacteria-Protozoa-Yeast
 - c. Bacteria-Blue green algae-Archeobacteria
 - d. Protozoa-Blue green algae-Yeast
2. _____ are included in Protista.
 - a. Paramecium, Euglena, Dianoflagellates
 - b. Hydra, Amoeba, Paramecium
 - c. Yeast, Euglena, Dianoflagellates
 - d. Mushroom, Paramecium, Euglena.
3. 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
4. _____ Challenged the spontaneous generation.
 - a. Redi
 - b. Spallanzani
 - c. Pasteur
 - d. All of the above
5. The following vaccine was developed by Pasteur except, _____
 - a. Small pox
 - b. Rabies
 - c. Anthrax
 - d. Chicken cholera
6. The study of structure & function of cell and its organelles of bacteria is called _____
 - a. Cytology
 - b. Bacterial cytology
 - c. Algology
 - d. Taxonomy
7. _____ Experiment proved that DNA as genetic material.
 - a. Griffith
 - b. Avery, McLeod & McCarty
 - c. Hershey
 - d. All
8. Most important contribution in soil microbiology by _____
 - a. Flemming
 - b. Lwanowski
 - c. Edward Jenner
 - d. Winogradsky
9. One gene one enzyme concept was given by _____
 - a. Flemming
 - b. Beadle & Tatum
 - c. Edward Jenner
 - d. Beijerinck

- Q.2. Answer any two of the following. 10**
1. Write a note on Five kingdom classification system.
 2. Write a detail note on Woese's classification.
 3. Explain - Major group of microbes.
- Q.3. Answer any two of the following. 10**
1. Write a note on applied branches of microbiology.
 2. Write a note on Koch's postulate.
 3. Describe in brief abiogenesis.
- Q.4. Answer any two of the following. 10**
1. Describe in brief development in immunology.
 2. Write a note on development in agriculture microbiology.
 3. Explain - Development in medical microbiology.
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