

RAN-2503000502016003 / 2403000502016001
F. Y. B. Sc. (Sem. - II) Examination October - 2025
Microbiology (Paper - MB-MJ-201) Microbial Diversity
Time: 1:30 Hours]
[Total Marks: 38
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
- (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 Eight)
(08×01=08)

1. Name any one anaerobic gram positive endospore forming bacteria.
2. Define: Substrate mycelium
3. What is Prosthecae & Stalks?
4. State the optimum growth temperature of saprophytic fungi.
5. What is plasmogamy?
6. How Blastospores are formed?
7. Which protozoan species have been used to study cell cycles & nucleic acid biosynthesis during cell division?
8. State the optimum temperature for growth of protozoa.
9. What is phycology?

Q. 2. Write short note on the following (any Two)
(02×05=10)

1. Order Enterobacteriales is a large, diverse taxon - Explain.
2. Methanogens
3. Rhizobacteria - Important N₂ fixing Bacteria.

Q. 3. Write short note on the following (any Two)
(02×05=10)

1. Different asexual and sexual spores formed by fungi.
2. General morphological characteristics of fungi.
3. State the economic importance of fungi.

Q. 4. Write short note on the following (any Two)
(02×05=10)

1. Algae & disease association
2. Reproduction in protozoa
3. Algae as food