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RAN-2403000502016001

B. Sc. (Sem. : II) Examination April - 2025

Major - 1 Microbiology Paper - III (Theory)

Microbial Diversity

[Total Marks: 35

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. (Sem. : II)

Name of the Subject :

**Major - 1 Microbiology Paper - III (Theory)
Microbial Diversity**

Subject Code No.: **2403000502016001**

Seat No.:

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Student's Signature

- (2) Sketch neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.
- (4) All questions are compulsory.

Q.1 Answer the following questions (any FIVE)

1x5 = 5

1. Give names of any two cyanobacteria.
2. What is the locomotory structure used by bacteria?
3. Define Ascospores.
4. What is plasmalemma?
5. State the use of alginate in dentistry.
6. Explain hyperparasitism.

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

2x5 = 10

1. Mycoplasma
2. Thermoplasms
3. Cyanobacteria

RAN-2403000502016001]

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Q.3 Write short note on the following (any TWO) 2x5 = 10

1. Asexual reproduction in fungi.
2. Compare and contrast different spore morphologies.
3. Sexual Reproduction in fungi.

Q.4 Write short note on the following (any TWO) 2x5 = 10

1. Economic importance of algae.
 2. Write in detail about morphology of protozoa
 3. Algal pigments
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