



RAN - 2503000502016003

RAN-2503000502016003

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

Major -1 Microbiology Paper - III

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) NEP

Name of the Subject :

Major -1 Microbiology Paper - III Microbial Diversity

Subject Code No.: **2503000502016003**

Seat No.:

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Student's Signature

Q.1. Answer the following questions (any FIVE)

1 × 5 = 5 Marks

1. Give full form of AAnP
2. Which organisms are considered as obligate Methylotrophs?
3. What is a dimorphic fungi?
4. Define coenocytic hyphae.
5. What is phycology
6. State how protozoa survive dry conditions.

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

2 × 5 = 10 Marks

1. Cyanobacteria
2. Order Enterobacteriales is a large, diverse taxon - Explain.
3. Methanogens

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Q.3 Write short note on the following (any TWO) 2 × 5 = 10 Marks

1. State the distinguishing characteristics of fungi.
2. Sexual Reproduction in fungi.
3. Discuss the importance of fungi in environment as well as their practical importance.

Q.4. Write short note on the following (any TWO) 2 × 5 = 10 Marks

1. Structure of an algal cell
 2. Free living Protozoa
 3. State the importance of protozoa
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