



RAN - 2503000504016001

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B. Sc. (NCF-NEP) (Sem. - IV) Examination April - 2025

MB-MJ-401 : Microbiology - Paper - VIII

Microbial Taxonomy

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

(1)

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. (NCF-NEP) (Sem. - IV)

Name of the Subject :

MB-MJ-401 : Microbiology - Paper - VIII - Microbial Taxonomy

Subject Code No.: **2503000504016001**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labeled diagrams whenever necessary.

Q. 1. Give the specific answers of the following (ANY FIVE).

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1. What is taxonomy?
2. Who proposed the Kingdom Protista?
3. Define: Phage typing.
4. State the cell shape and Gram reaction of *Enterobacteriaceae* family bacteria.
5. Name the causative agent of bacillary dysentery in humans.
6. Give two examples of Anaerobic Gram-positive cocci.

Q. 2. Answer the following. (ANY TWO)

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1. What are the three Domains of life? Discuss them in detail.
2. State the significance of scientific nomenclature and discuss it in detail.
3. Explain biochemical characteristics as a tool for classifying and identifying bacteria.

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[P.T.O.]

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Q. 3. Answer the following. (ANY TWO)

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1. Describe the characteristics and representative genera of the *Pseudomonadaceae* family.
 2. Explain in brief about Aerobic/Facultatively Anaerobic Cocci.
 3. Write an overview of the Classification of archaea.
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