


RAN-2403000503038001
S.Y. B. Sc. (Sem. - III) (NEP) Examination November - 2025
Bioscience (Microbiology) - Major
(Paper - BM-MJ-303) Microbial Taxonomy & Virology
Time: 2 Hours]
[Total Marks: 50
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.
- (2) Draw neat & clean diagram wherever necessary.

Seat No.:

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Student's Signature

Q.1. Multiple choices Questions. (MCQ) (Any ten)
10

- Taxonomy is define as _____
 - Science of biological evolution
 - Science of biological classification
 - Science of biological chemistry
 - None
- One of the oldest classification system is called _____
 - Numerical Taxonomy
 - Natural classification
 - Phylogenetic classification
 - Genotypic classification
- G + C content in bacteria is _____
 - 25-80%
 - 30-50%
 - 60-75%
 - None
- A manual of systematic Bacteriology was given by _____
 - Carl Woese
 - Carl Linnaeus
 - David Bergey
 - Carl Landsteiner
- Which of the following are achaeobacteria?
 - Methanobacteria
 - Thermococci
 - Halobacteria
 - All
- Proteobacteria are divided into _____ classes
 - 1
 - 3
 - 5
 - 7
- Which of the following are the vertebrate viruses?
 - TMV
 - HAV
 - Lambda Phage
 - None
- _____ Properties are used to classify viruses.
 - Type of NA
 - NA strandedness
 - Capsid symmetry
 - All
- An example of viral classification system is _____
 - Woese system
 - Baltimore system
 - Whitaker classification system
 - All

