



RAN - 2103001103030004



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S. Y. B. Sc. (Sem. - III) Examination

March - 2023

Microbiology (A.T.K.T.)

MB - 301 : Principles of Bacterial Systematics

Time: 1 Hours]

[Total Marks: 50

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:

S. Y. B. Sc. (Sem. - III)

Name of the Subject :

Microbiology (A.T.K.T.) MB - 301 : Principles of Bacterial Systematics

Subject Code No.: **2103001103030004**

Seat No.:

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Student's Signature

- (2) This exam contains 50 multiple choice questions, each worth 1 mark.
(3) All questions are compulsory.

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ
O.M.R. Sheetની પાછળ છાપેલ છે.***

***Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.***

- Q. 27.** The determination of the genus and species of a newly isolated microorganisms is based on _____.
- A. Polyphasic taxonomy B. Natural Classification
C. Phylogenetic D. All of these
- Q. 28.** The classification of organisms according to their biological features and morphological structures are also known as _____.
- A. Genotypic classification B. Natural classification
C. Phenetic classification D. Phylogenetic classification
- Q. 29.** The evolutionary development of a species is known as _____.
- A. Phenotype B. Phylogeny
C. Genotype D. None of these
- Q. 30.** In recent time, the microorganisms of several phyla that share a distinctive features and unique morphology or metabolic features are classified as in _____.
- A. Phylum B. Proteobacteria
C. Bacteria D. Superphlum
- Q. 31.** A single, pure microbial culture designate as _____.
- A. Strain B. Species
C. Biovars D. Morphovars
- Q. 32.** A _____ is a collection of individuals that share many stable properties and differ significantly from other groups of individuals.
- A. Strain B. Biovars
C. Serovars D. Species
- Q. 33.** Among which is a correct hierarchical arrangement in taxonomy?
- A. Domain> Phylum> Class> Order> Family> Species> Genus
B. Domain> Phylum> Order>Class>Family> Genus> Species
C. Domain> Phylum> Class> Order> Family> Genus> Species
D. Domain> Class> Phylum> Order> Family> Genus> Species
- Q. 34.** Classical characteristics in taxonomic classification includes:
- A. Morphological traits
B. Physiological traits
C. Biochemical and ecological traits
D. All of these

SPACE FOR ROUGH WORK