



K24U 1626

Reg. No. :

Name :

**Second Semester B.Sc. Degree (CBCSS – OBE-Regular/Supplementary/
Improvement) Examination, April 2024
(2019 Admission Onwards)
CORE COURSE IN MICROBIOLOGY
2B02 MCB : Microbial Diversity**

Time : 3 Hours

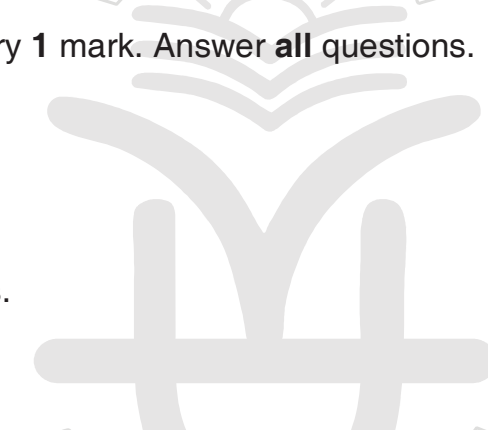
Max. Marks : 40



Short Answer. **Each** carry **1** mark. Answer **all** questions.

(6×1=6)

1. Mycelium.
2. Red tide.
3. Serotyping.
4. Hyperthermophiles.
5. Species.
6. Yeast.



Short Essay. **Each** carry **2** marks. Answer **any six** questions.

(6×2=12)

7. Structure and symmetry of Diatoms.
8. Animal viruses.
9. Give two examples of Green algae.
10. Differential staining.
11. Numerical taxonomy.
12. Dimorphic fungi.
13. Euglenoids.
14. Dendrogram.

P.T.O.



PART – C

Essay. **Each** carry **3** marks. Answer **any four** questions out of **six**. **(4×3=12)**

15. Write a note on the practical value of taxonomy.
16. Eubacteria and Archaea bacteria.
17. Explain the classification of bacteriophages.
18. General characteristics of viruses.
19. Biochemical characterisation for bacterial identification.
20. DNA Hybridization.

PART – D

Long Essay. **Each** carry **5** marks. Answer **any two** questions out of **four**. **(2×5=10)**

21. Describe the classification of Protozoans with examples.
22. Discuss Bergy's Manual of Systematic Bacteriology and its importance in Taxonomy.
23. Explain the general characteristics, structure and morphology of fungi.
24. Elaborate the Five Kingdom Classification with suitable examples.