



K23U 1999

Reg. No. :

Name :

**II Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, April 2023
(2019 Admission Onwards)
CORE COURSE IN MICROBIOLOGY
2B02 MCB : Microbial Diversity**

Time : 3 Hours

Max. Marks : 40

PART – A

Short answer. **Each** carry **1** mark. (Answer **all** questions).

1. Serotyping.
2. Archaeobacteria.
3. Slime molds.
4. Bacteriophage.
5. Diatoms.
6. Euglenoids.

(6×1=6)

PART – B

Short essay. **Each** carry **2** marks. (Answer **any six** questions).

7. Five Kingdom classification.
8. Eubacterial groups.
9. Terrestrial Fungi.
10. Dinoflagellates.

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11. Dimorphic Fungi.
12. Animal Viruses – with example.
13. DNA hybridisation.
14. Numerical taxonomy. **(6×2=12)**

PART – C

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

15. Briefly explain the Bergy's Manual classification system.
16. Notes on Zygomycetes and Deuteromycetes.
17. How bacteriophages are classified with examples.
18. What is taxonomic hierarchy.
19. Importance of staining characters in bacterial classification.
20. General characteristics of Fungi. **(4×3=12)**

PART – D

Long essay. **Each** carry **5** marks. (Answer **any two** questions out of **four**).

21. Classification of Algae.
 22. Explain the criteria used in bacterial classification.
 23. Describe the general characteristics of fungi.
 24. Differentiate Eubacteria and Archaeobacteria. **(2×5=10)**
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