K22U 1300

Reg. No. : .....

Name : .....

II Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/ Improvement) Examination, April 2022

(2019 Admission Onwards)

CORE COURSE IN MICROBIOLOGY

2B02 MCB : Microbial Diversity

Time : 3 Hours

Max. Marks : 40

PART – A

Short Answer. **Each** carries **1** mark (Answer **all** questions).

1. Virions
2. Dimorphic fungi
3. Serotyping
4. Halophile
5. Prophage
6. Methanogen.

(6×1=6)

PART – B

Short Essay. **Each** carries **2** marks (Answer **any six** questions).

7. Slime molds
8. Brown algae
9. Scientific Nomenclature
10. Retroviruses
11. Ergotism
12. Five kingdom classification
13. Numerical taxonomy
14. Bergey's manual.

(6×2=12)

P.T.O.

PART – C

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

15. Relevance of biochemical characters in bacterial classification.

16. Brief account on Archaebacteria.

17. Prions.

18. Mycoplasma.

19. What are fire algae, comment on their characters and significance.

20. TMV.

(4×3=12)

PART – D

Long Essay. **Each** carries **5** marks (Answer **any two** questions out of four).

21. Differentiate between archaebacteria and eubacteria.

22. Discuss the Molecular techniques used in bacterial classification.

23. Terrestrial fungi - brief account of divisions with examples.

24. Classification of Protozoa.

(2×5=10)