



QP CODE: 23104775



23104775

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE
EXAMINATIONS, FEBRUARY 2023**

First Semester

B.Sc Zoology and Industrial Microbiology Model III Double Main

Core Course - ZI1CRT02 - MICROBIAL DIVERSITY

2017 Admission Onwards

90E10CE2

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Micro organism
2. Gram negative bacteria
3. Base pairs
4. Pleuropneumonia
5. Mycetoma
6. Capsid
7. What are the methods of cultivation of viruses?
8. Prions
9. Ascomycetes
10. Basidiomycota
11. Mucor
12. Algal pigments

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Explain differential staining techniques.
14. Explain the principles of bacterial taxonomy.
15. Explain Five kingdom classification.
16. Give short note on Archeabacteria & Extremophiles.
17. Explain typical classification of animal & Plant virus.
18. Classification & Economical importance of fungi.
19. Write a short note on reproduction & Economic importance of Zygomycota.
20. Write a short note on Aspergillus and Penicillium.
21. Define the Algae. What are some general characteristics of an algal cell?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Explain the classification, morphology & distinguish characteristics of Rickettsiae?
23. Explain the structure and replication of bacteriophage and TMV.
24. Explain a brief account on Yeast.
25. What are Cyanobacteria? Explain its characteristics, classification and Ultra structure of cyanobacterial cell.

(2×10=20)

