

QP CODE: 19101764



19101764

Reg No :

Name :

B.Sc. DEGREE (CBCS) EXAMINATION, MAY 2019

Second Semester

B.Sc Biotechnology Model III

Complementary Course - **MB2CMT02 - MICROBIOLOGY - FUNDAMENTALS OF**

MICROBIOLOGY - II

2017 ADMISSION ONWARDS

6A98E510

Maximum Marks: 60

Time: 3 Hours

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. What is Micronutrients?
2. Define enriched media
3. Define pure culture
4. Define Sanitization
5. Define Interferons
6. Define fastidious microorganisms
7. Define organotrophs
8. Define metabolism
9. What is meant by alcoholic fermentation?
10. What are the main steps involved in TCA cycle?
11. Define Transduction
12. What are F+ cells?

(10×1=10)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Explain streak plate method and its uses.





14. Note on the Filtration and its Types
15. Cite the chemical Agents in Microbial Control
16. Note on Disk diffusion test
17. Explain briefly chemotrophs and Lithotrophs with example
18. Glyoxylate pathway and its significance
19. PPP and its significance
20. Describe the effect of transformation
21. How are R plasmids involved in the transmission of drug resistance

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Explain various methods in detail for cultivating the anaerobic organisms.
23. Write an essay on different phases of growth in a closed system. Write the importance of each
24. Write an essay about Nutritional classification of bacteria
25. Describe different mechanism by which bacteria become resistant to drugs

(2×10=20)