

D. K. M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**SEMESTER EXAMINATIONS****JUNE - 2022****19CZO6E****ELECTIVE – IV: MICROBIOLOGY****Time: 3 Hours****Max. Marks: 75****SECTION – A (10 x 2 = 20)****Answer ALL the questions.****Define / Explain the following.**

1. Viroids.
2. Draw a structure of bacteriophage.
3. Sterilisation.
4. Bacterial staining.
5. Probiotics.
6. Preservation.
7. Actinomycetes.
8. Microbial leaching.
9. Botulism.
10. Dengue.

SECTION – B (5 x 5 = 25)**Answer ALL the questions.**

11. (a) Give a brief account on the scope of Microbiology.
(Or)
(b) Explain about the general structure of fungi.
12. (a) What are the factors influencing bacterial growth? Explain.
(Or)
(b) Write a notes on the types of bacterial culture medium.
13. (a) Write a basic concept of probiotics.
(Or)
(b) Write notes on microbes in food spoilage.
14. (a) Write a short notes on bioremediation and its applications.
(Or)
(b) Write the advantages of biogas.
15. (a) Explain about the airborne diseases.
(Or)
(b) Write a short notes on Sexually Transmitted Disease (STDs).

SECTION – C (3 x 10 = 30)**Answer any THREE of the following questions.**

16. Describe the characters and basic classification of Monera.
17. Give a brief account on bio-fermenters and its applications.
18. Describe yeast culture and give its economic importance.
19. Give the detailed account on biofertilizers and its applications.
20. Write an account on soil born diseases.

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