

Reg. No. 

--	--	--	--	--	--	--	--	--	--

**D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**

**SEMESTER EXAMINATIONS**

**APRIL – 2019**

**15CZO6E**

**ELECTIVE IV: MICROBIOLOGY**

**Time : 3 Hrs**

**Max. Marks : 75**

**SECTION-A (10 x 2 = 20)**

**Answer ALL the questions.**

**Define / Explain the following.**

1. Virology.
2. Prokaryotic cell.
3. Culture media.
4. Staining.
5. Blue-Green Algae.
6. Sterilization.
7. Food spoilage.
8. Fermentation.
9. Tuberculosis.
10. Malaria.

**SECTION-B (5 x 5 = 25)**

**Answer any FIVE of the following questions.**

11. Write an account on the scope of microbiology.
12. Explain the distinctive features of eukaryotic cell.
13. What are the different methods used for culture of microorganisms?
14. What is microbial growth curve? Explain the different phases.
15. Write short account on the production and methods of Biogas.
16. Explain sewage. How to recycle sewages in treatment plant?
17. Define food preservation. Explain the methods of food preservation.
18. Give short notes on chicken pox and its control measures.

**SECTION-C (3 x 10 = 30)**

**Answer ALL the questions.**

19. (a) Write an essay on the classification of microorganism.

(Or)

(b) Explain about the different types of sterilization techniques.

20. (a) Give a detailed account on the role of microorganisms in soil fertility.

(Or)

(b) Discuss about the food microorganisms.

21. (a) What is fermentation? Explain the types of fermentation technology.

(Or)

(b) Write a detailed account on the spread and control measures of hepatitis and Chikungunya.

\* \* \* \* \*