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

**APRIL– 2019**

**15CMB6B**

**ENVIRONMENTAL**

**AGRICULTURAL MICROBIOLOGY**

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**Time : 3 Hrs.**

**Max.Marks : 75**

**SECTION–A(10 x 2 =20)**

**Answer ALL the questions.**

**Define / Explain for the following:**

1. Nosocomial infections.
2. Troposphere.
3. Droplet nuclei.
4. Brucellosis.
5. Plankton.
6. Coliforms.
7. Rhizosphere.
8. Parasitism.
9. Pesticide with two examples.
10. Bioleaching.

**SECTION–B(5 x 5 =25)**

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

11. List out the basic functions of microorganisms in natural ecosystem.
12. Write a note on air sanitation.
13. Mention the different sources of microorganisms and its distribution in air.
14. Discuss-microbial analysis of water purity.
15. Discuss-indicator organisms.
16. Write short notes on symbiosis with suitable examples.
17. Explain-carbon cycle.
18. Write about the Primary Treatment of domestic waste treatment and its disposal.

**SECTION–C(3 x 10 =30)**

**Answer ALL the questions.**

19. (a) Give a detailed account on microorganisms as components of ecosystem and mention its significance.  
(Or)  
(b) Write in detail about the techniques for the assessment of air quality.
20. (a) Discuss-waterborne diseases.  
(Or)  
(b) Explain the various techniques for the study of microorganisms in aquatic ecosystem to assess the water quality.
21. (a) Define biofertilizer and write in detail about the bacterial biofertilizers.  
(Or)  
(b) What is bioremediation? Describe about the degradation of xenobiotic compounds.

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