



**K20U 0136**

Reg. No. : .....

Name : .....

**VI Semester B.Sc. Degree (CBCSS-Reg./Supple./Improv.)**

**Examination, April 2020**

**(2014 Admission Onwards)**

**Core Course in Microbiology**

**6B16 MCB : SANITATION MICROBIOLOGY**

Time : 3 Hours

Max. Marks : 40

**Instruction : Draw diagrams *wherever* necessary**

**SECTION – A**

Answer **all** questions. **Each** question carries **1** mark.

1. The main drawback of ethylene oxide for sterilization of indoor air is \_\_\_\_\_.
  2. The coming led solid waste collected from household, Commerce and Institutions are \_\_\_\_\_.
  3. The average BOD of untreated Sewage is around \_\_\_\_\_.
  4. The faecal pollution indicator organism in water is \_\_\_\_\_.
- (4×1=4)**

**SECTION – B**

Answer **any seven** questions of the following. **Each** question carries **2** marks.

5. Potable water.
6. Coliforms.
7. BOD.
8. Cess pools.
9. Methanogenesis.
10. VFGs.

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11. Droplet nuclei.
12. *Dienococcus Radiodurans*.
13. Sludge.
14. Hard water.

(7×2=14)

SECTION – C

Answer **any four** questions of the following. **Each** question carries **3** marks.

15. Qualitative analysis of Microbial content of water samples.
16. Sources of drinking water.
17. Rotating Biological contactor.
18. Disinfection of Sewage Effluent.
19. Production of Biogas.
20. Methods for Sterilization of Indoor Air.

(4×3=12)

SECTION – D

Answer **any two** questions of the following. **Each** question carries **5** marks.

21. Discuss the characteristics of an ideal indicator Organism. Describe the methods for Quantitative Analysis of Microbial content of Water Samples.
22. Describe the methods used for Household Waste Water Treatment.
23. What are the sources and types of solid wastes ? Describe different methods for composting of solid wastes.
24. Discuss the methods for filtration and disinfection of drinking water.

(2×5=10)

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