



K22U 0423

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS – OBE – Regular) Examination, April 2022
(2019 Admission)

CORE COURSE IN MICROBIOLOGY
6B14MCB : Sanitation Microbiology

Time : 3 Hours

Max. Marks : 40

PART – A

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

(6×1=6)

1. Zooglea ramigera.
2. EMB agar.
3. HEPA filter.
4. Xenobiotics.
5. Indicator microbes.
6. Humus.

PART – B

Answer **any 6** questions. **Each** question carries **2** marks :

(6×2=12)

7. What is sanitary landfills and how does it works ?
8. Explain importance of trickling filter.
9. Give brief account on different methods of disinfection of drinking water.

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10. Narrate biomedical waste management.
11. Laminar air flow.
12. Write the importance of oxidation pond.
13. Explain the advantage of vermi composting.
14. Design a basic model of biogas plant.

PART – C

Answer **any 4** questions. **Each** question carries **3** marks :

(4×3=12)

15. Briefly discuss about MPN.
16. Illustrate different solid waste management system.
17. Explain Winkler method of dissolved oxygen.
18. Narrate indoor and outdoor air quality standards.
19. What is methanogenesis ? Explain different steps.
20. Give brief description on sanitation in public health.

PART – D

Answer **any 2** questions. **Each** question carries **5** marks :

(2×5=10)

21. Give a detail account on different methods of water purification.
 22. Investigate the major steps involved in sewage treatment.
 23. Elaborate different methods of composting.
 24. What is air sanitation ? Briefly discuss on different methods for it.
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