



K22U 0136

Reg. No. :

Name :

**VI Semester B.Sc. Degree (CBCSS – Supple./Improv.)
Examination, April 2022
(2016 – 2018 Admissions)
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. Common gaseous disinfectant used for fumigation of rooms is
2. A thermotolerant earthworm used for vermicomposting is
3. Moderately polluted water bodies have a BOD value at the range of
4. As per BIS standards the E.Coli content of potable water should be **(4×1=4)**

SECTION – B

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

5. Surface water sources.
6. EMB agar.
7. Dissolved oxygen determination.
8. Oxidation ponds.
9. Acetogenesis.
10. Green waste.
11. Electrostatic precipitation.
12. Sludge.
13. Microstraining.
14. Granular activated carbon. **(7×2=14)**

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SECTION – C

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

15. Quantitative analysis of microbial content of water.
16. Aeration of drinking water.
17. Anaerobic sludge digestion.
18. Primary treatment of sewage.
19. Sources and kinds of solid waste.
20. Biological safety cabinets.

(4×3=12)

SECTION – D

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

21. What are the sources of drinking water ? Discuss the filtration and disinfection of drinking water.
22. Describe the methods used for household waste water treatment.
23. Discuss the role of methanogens in solid waste management. Write the design and management of biogas plant.
24. Discuss the aerobic treatment processes of sewage.

(2×5=10)
