

K22U 2577



Reg. No. :

Name :

V Semester B.A./B.Sc./B.Com./B.T.T.M./B.B.A./B.B.A.-T.T.M./B.B.A.-A.H./
B.C.A./B.A. Afsal UI-Ulama/B.S.W. Degree (CBCSS – OBE – Regular/
Supplementary/Improvement) Examination, November 2022
(2019 Admission Onwards)

Open Course

5D02 MCB : MICROBES AND ENVIRONMENT

Time : 2 Hours

Max. Marks : 20

Instruction : Draw diagrams *wherever* necessary.

SECTION – A

Answer **all** questions in **one** or **two** sentences. **Each** question carries **1** mark.

1. Denitrification.
2. GMO.
3. What are the major gases involved in ozone layer depletion ?
4. What is food chain ?
5. List out four important water purification steps.
6. What is meant by Biogeochemical Cycle ?

(6×1=6)

SECTION – B

Write briefly on **any four** of the following. **Each** question carries **2** marks.

7. Write short notes on acid rain.
8. What is meant by Mutualism ? Give suitable examples.
9. What is an indicator organism ? How it plays major role in water analysis ?
10. Write short note on TB.

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11. Differentiate between droplet and droplet nuclei.

12. Explain 'Rhizosphere'.

(4×2=8)

SECTION – C

Write short essays on **any one** of the following. Question carries **6** marks.

13. Explain various environmental factors which influence growth and survival of microbes.

14. Define the term xenobiotics and explain how it causes adverse effects on natural ecosystem and human health.

(1×6=6)
