



**K21U 4750**

Reg. No. : .....

Name : .....

**V Semester B.A./B.Sc./B.Com./B.B.A./B.B.A. (T.T.M.)/B.B.A. (R.T.M.)/  
B.B.M./B.T.T.M./B.C.A./B.S.W./B.A. Afsal-UI-Ulama/B.B.A. (AH) Degree  
CBCSS (OBE) – Regular Examination, November 2021  
(2019 Admission Only)  
Open Course  
5D02 MCB : MICROBES AND ENVIRONMENT**

Time : 2 Hours

Max. Marks : 20

**SECTION – A**

Short answer. Answer **all** questions. **Each** question carries 1 mark. **(6×1=6)**

1. Biomagnification.
2. Indicator organisms.
3. Oxygen as a factor for microbial growth.
4. Xenobiotics.
5. Biological factors influence the microbial growth.
6. MPN method.

**SECTION – B**

Short essay. Answer **any 4** questions. **Each** question carries 2 marks. **(4×2=8)**

7. Notes on effect of GMOs on environment.
8. Briefly explain the drinking water purification methods.
9. What are the physical factors which influence the growth of microbes ?

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10. Discuss the basic concepts of ecosystem along with food chain, food web and trophic level.
11. Notes on effects of greenhouse effect and acid rain.
12. Discuss about the water borne diseases with suitable examples.

SECTION – C

Essay. Answer **any 1** question. **Each** question carries **6** marks.

(1×6=6)

13. Give a detailed account on sewage water characteristics and treatment process.
  14. Explain the mechanisms and microbes involved in biogeochemical cycles.
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