

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc- Honours (Microbiology) (Sem.-3)

MICROBES IN ENVIRONMENT

Subject Code : BSMB-305-19

M.Code : 90371

Date of Examination : 16-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

- 1. Write briefly :**
- a) Give the structure of an ecosystem.
 - b) What is soil profile?
 - c) Define ruminants.
 - d) What is the role of osmotic pressure in extremophiles?
 - e) What is amensalism in microbial interaction?
 - f) Define parasitism.
 - g) Define commensalism.
 - h) Enlist the methods of solid waste disposal.
 - i) What is the role of COD in waste management?
 - j) Write a procedure for a septic tank.

SECTION-B

2. Write in detail aeromicroflora and the dispersal of microbes?
3. Explain the habits of microbes at different temperatures, salinity, and low level of nutrients.
4. Write in detail microbe animal interaction.
5. Explain the composition and strength of liquid waste management.
6. Write down the methods used for primary sewage treatment.

SECTION-C

7. Explain detailed about solid waste management.
8. Describe the function of the ecosystem as well as the terrestrial environment.
9. Describe symbiotic and non-symbiotic interactions with examples.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.