

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc- Honours (Microbiology) (Sem.-3)
MICROBIOLOGICAL ANALYSIS IN AIR AND WATER

Subject Code : BSMB307-19

M.Code : 90373

Date of Examination : 19-12-22

Time : 3 Hrs.

Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

1. Write briefly :

- a) Define allergens.
- b) Examples of airborne bacteria.
- c) What is CFU?
- d) Write examples of culture media used for fungi.
- e) Significance of air sampling in OT.
- f) How air sampling is done?
- g) Examples of water-borne diseases.
- h) Full form of MPN test.
- i) How treatment of water is done?
- j) Size of membrane filter.

SECTION-B

2. Give a detailed procedure for air sampling?
3. Write the significance of bioaerosols in operation theatres?
4. Explain the role of CFU in air sampling?
5. Write methods to detect the probability of the water sample?
6. Write down the complete test for water microbes?

SECTION-C

7. Write a detailed note on the microbial analysis of water.
8. What is the impact of airborne microbes on human health and the-environment?
9. Illustrate various culture media used for bacteria and fungi.

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.