Roll No. | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 09

B.Sc. (MLS) (Sem.–3)

APPLIED BACTERIOLOGY

Subject Code : BMLS-307-18

M.Code : 76636

Date of Examination : 19-12-22

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. Answer briefly :

a) Define immunodiffusion.

b) Name the tests for the production of beta lactamase.

c) What is pasteurisation?

d) Enlist various culture mediums used for susceptibility testing.

e) Define enriched medium.

f) What is lyophilization.

g) Define MBC.

h) What is sterility testing?

i) Define stokes method.

j) What are nosocomial infections?

SECTION-B

2. List the major causes of water infections.

3. Describe the basic concepts of preservation of microbes.

4. Explain the various types of air sampling instruments.

5. Describe Kirby bauer method for sensitivity testing.

6. Write a short note on bacteriological surveillance of hospital environment.

SECTION-C

7. Describe the process and collection of pus samples for antibiotic susceptibility testing.

8. Discuss various techniques of immune diffusion and its applications in diagnostic microbiology.

9. Write about the principal and procedures of various preservation methods with special reference to lyophilization.

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.