

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (MLS) (2018 Batch) (Sem.-3)

APPLIED BACTERIOLOGY

Subject Code : BMLS307-18

M.Code : 76636

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) What are antibiotics?
- B) Define immunodiffusion.
- C) Define coliforms.
- D) What is pasteurisation?
- E) What is Biomedical Waste?
- F) Define Enriched medium.
- G) What is Antibiotic sensitivity testing?
- H) What is sterility testing?
- I) What is lyophilization?
- J) Define MIC.

SECTION-B

2. List the major causes of water infections.
3. Why do we need to preserve bacteria?
4. Describe Kirby-Bauer method of antibiotic sensitivity testing.
5. Describe the laboratory diagnosis of respiratory tract infections.
6. Explain the various types of air sampling instruments.

SECTION-C

7. What are the factors effecting nosocomial infections?
8. Describe the collection and processing of pus samples for antibiotic susceptibility testing.
9. Describe various techniques of immuno-diffusion and its applications in diagnostic microbiology.

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.