

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2014 to 2017) (Sem.-3)

**APPLIED BACTERIOLOGY**

Subject Code : BMLS-302

M.Code : 48107

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION 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 a note on :**

- A) Name any four water borne diseases.
- B) What is reproducibility test?
- C) What is gas gangrene?
- D) Define pasturization.
- E) Write a short note on food poisoning.
- F) Define nosocomial infection.
- G) Name any four chemical Disinfectants.
- H) What is zone of inhibition?
- I) Name three infections transmitted through blood transfusion.
- J) What is bacteriocin typing?

### SECTION-B

2. Write a note on Kirby-Bauer Disc diffusion method.
3. Describe sample collection of air for culture.
4. Discuss the broad spectrum antibiotics and antimicrobial resistance.
5. Write a note on presumptive coliform count.
6. What is the need of quality control in diagnostic microbiology?

### SECTION-C

7. Describe in detail sample collection and processing for respiratory tract infections.
8. What are the various sources of hospital acquired infections? Explain the factors responsible for nosocomial infections.
9. What is lyophilisation? Briefly explain the different methods to preserve microbes.

**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.**