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Total No. of Printed Pages: 1

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B.Sc. (MLS) (Semester – 3rd)
APPLIED BACTERIOLOGY
Subject Code: BMLS1-316
Paper ID: 130511

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

- a) Nosocomial infections
- b) Lawn culture
- c) MIC
- d) MHA
- e) Septicemia
- f) ATCC
- g) Serotyping
- h) Eijkman test
- i) Settle plate method
- j) Most Probable Number

Section – B **(5 marks each)**

- Q2. Bacterial examination of air
- Q3. Membrane filtration method
- Q4. Stroke's disc diffusion method
- Q5. Bacteriological examination of milk and its products
- Q6. Preparation and standardization of inoculum

Section – C **(10 marks each)**

- Q7. Classification of food borne bacterial pathogens and their pathogenecies.
- Q8. Discuss sample collection, transport and processing of urine sample.
- Q9. Discuss the role of microbiology in control of nosocomial infections.