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B.Sc.(MLS) (2013 to 2017) (Sem.-3)

Subject Code : BMLS-302

M.Code : 48107

Max. Marks : 60

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.

Q1 Write a note on :

- a. What is septicaemia?
- b. Define antibiotics
- c. Write a short note on Eijkman Test.
- d. Name the bacteria causes food poisoning.
- e. How will you prepare antibiotic disks?
- f. What is spiral Plate Count Method?
- g. Define Bacteriocin.
- h. Define Adulterant.
- i. Write a note on hygiene and sanitation.
- j. Define nosocomial infections.

SECTION-B

- Q2 Explain the technique of 'Standard Plate Count' to estimate bacteria'.
- Q3 Discuss Antimicrobial Agents used in food.
- Q4 Describe in detail the lab diagnosis of gastro intestinal infections.
- Q5 Give a detailed description of the chemical spoilage encountered in canned foods.
- Q6 Explain the Pathogenesis of respiratory tract infections.

SECTION-C

- Q7 What is culture media? Describe different medium used for antibiotic susceptibility testing.
- Q8 Explain the role of microbiology laboratory in control of nosocomial infections.
- Q9 What is lyophilisation? Discuss different methods to preserve bacterial strains.

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.