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B.Sc.(MLS) (2011 to 2017) (Sem.-1)

Subject Code : BMLS-102

Paper ID : [D1108]

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.

SECTION-A

Q1 Write a short note on :

- A) Define Microbiology.
- B) Define 'Antiseptics' and name two antiseptics.
- C) What is an indicator?
- D) What is Sterilization?
- E) Define Acquired Immunity.
- F) Define pasteurization.
- G) What is germicide?
- H) Define hypersensitivity.
- I) Define Pathogen.
- j) Anaerobic jar.

SECTION-B

- Q2 Write notes on Nutritional requirements microorganisms.
- Q3 Write a note on discarding of laboratory waste.
- Q4 Describe the principle and working mechanism of hot air oven.
- Q5 Describe the method of testing efficiency of various disinfectants.
- Q6 Explain the aerobic and anaerobic culture methods.

SECTION-C

- Q7 Define antigen antibody reaction and write note on Agglutination reaction.
- Q8 Write in detail about the various types of microscopes used in laboratory and its principles and uses.
- Q9 Define Sterilisation. Explain in detail the principle, working quality control measures of an autoclave.