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B.Sc.(MLS) (2014 to 2017) (Sem.-2)

Subject Code : BMLS-202

M.Code : 48056

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.

1. Write a note on :

- A) What is hippurate hydrolysis test?
- B) Define acid fast bacteria.
- C) Write a short note on actinomyces.
- D) What is coagulase test?
- E) Name three organisms causing food poisoning.
- F) How do you collect blood for culture?
- G) What is germ tube test?
- H) What is transport media?
- I) Write a short note on normal flora.
- J) What is CAMP?

SECTION-B

2. Explain the concentration methods for *M. tuberculosis*.
3. Describe the lab diagnosis of enteric fever.
4. Give the morphological and culture characteristic of *Pseudomonas*.
5. Explain the various staining methods to identify *M. leprae*.
6. Give the principle, procedure and interpretation of Nagler's reaction.

SECTION-C

7. Briefly explain the morphology, cultural characteristics, pathogenesis and lab diagnosis of *Corynebacterium diphtheria*.
8. Elaborate on various biochemical reactions used in identification of bacteriae.
9. Describe the role of rapid diagnostic methods and automation in 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.