

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (Sem.-2)
SYSTEMATIC BACTERIOLOGY
Subject Code :BMLS-202
M.Code :48056
Date of Examination : 04-07-22

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) India ink preparation
 - B) Widal test
 - C) Oxidase test
 - D) Selective media
 - E) Classify Streptococci
 - F) Whooping cough
 - G) Selenite F broth
 - H) TSIA
 - I) Negative staining
 - J) Culture media.

SECTION-B

2. How do you maintain stock cultures?
3. Explain the various biochemical tests to identify *Clostridium*.
4. Describe the lab diagnosis of Leptospirosis.
5. Describe the principle and technique of Fontana-masson stain.
6. What is BACTEC system?

SECTION-C

7. Briefly explain the morphology, cultural characteristics and lab diagnosis of *Shigella dysenteriae*.
8. Name the various organisms that can cause Enteric fever. Describe the laboratory diagnosis of Typhoid.
9. Elaborate on various anaerobic culture methods with special reference to Mc-Intosh Felde's Anaerobic jar.

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.