

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (MLS) (2018 Batch) (Sem.–2)

**SYSTEMATIC BACTERIOLOGY**

Subject Code : BMLS-201-18

M.Code : 75897

Date of Examination : 06-07-22

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS 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**

**Q1. Write notes on :**

- a) Define surface antigen.
- b) What is blood culture?
- c) Name any five gram negative bacteria.
- d) Define pathogens.
- e) What do you mean by isolation of bacteria?
- f) Define killed vaccine.
- g) Write a short note on indole test.
- h) Define negative staining.
- i) What is the composition of peptone water?
- J) Define antimicrobial resistance.

### SECTION - B

- Q2. Discuss the culture characteristics and lab diagnosis of *Shigella*.
- Q3. Explain the procedure of Gram staining for identification of bacteria.
- Q4. What are various biochemical test performed to identify the *M.tuberculosis*?
- Q5. Discuss the morphology and culture characteristics of *Campylobacter*.
- Q6. Discuss various types of culture media used for microorganisms.

### SECTION - C

- Q7. Write the morphology and culture characteristics of *T.Pallidum*.
- Q8. Discuss the BACTEC technique for the identification of bacteria.
- Q9. What is the principle of serum agglutination? Describe the procedure of Widal test.

**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.**