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Total No. of Pages : 02

Total No. of Questions : 18

**B.Sc. (MLS) (2018 Batch) (Sem.-2)**

**SYSTEMATIC BACTERIOLOGY**

**Subject Code : BMLS-201-18**

**M.Code : 75897**

**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**

**Answer briefly :**

- Q1. What is WEIL-Felix reaction?
- Q2. Define Antigen.
- Q3. What is Typhoid Fever?
- Q4. Define Agglutination.
- Q5. Write a short note on antimicrobial susceptibility testing.
- Q6. What is ELISA?
- Q7. Define Selective Media.
- Q8. What is Food Poisoning?
- Q9. Define Gram staining.
- Q10. Write a short note on indole test.

### SECTION-B

- Q11. Enlist common biochemical tests used identify bacterial infections.
- Q12. Explain the procedure of Albert's staining for identification of bacteria.
- Q13. Write a note on Germ tube test.
- Q14. Differentiate between the Gram positive and Gram negative cell wall.
- Q15. What are the different instruments used to seed culture media?

### SECTION-C

- Q16. Discuss the BACTEC technique for the identification of bacteria.
- Q17. Describe the standard format to be followed for laboratory diagnosis of different bacterial infections.
- Q18. What are various causes of food poisoning? Describe the pathogenesis and laboratory diagnosis of salmonella infection.

**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.**