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Total No. of Pages : 02

Total No. of Questions : 09

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

**SYSTEMATIC BACTERIOLOGY**

Subject Code : BMLS-201-18

Paper ID : [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****Q1. Write notes on :**

- a) Carbohydrate fermentation
- b) Non fermenting bacteria
- c) Gram stain
- d) CAMP test
- e) Mycoplasma
- f) Aerotolerant anaerobes
- g) PPLO broth
- h) Castaneda stain.
- i) Bordet gengou medium
- j) Leoffler's methylene blue stain

### SECTION-B

- Q2. Describe the Methicillin Resistant Staphylococcus Aureus.
- Q3. Describe the morphology & culture characteristics of Vibrio cholera.
- Q4. Write a note on Widal test.
- Q5. How do you maintain stock cultures?
- Q6. Describe the laboratory diagnosis of mycobacterium tuberculosis.

### SECTION-C

- Q7. Classify anaerobic bacteria on the basis of the degree of anaerobiosis required for growth.
- Q8. What are various biochemical reactions performed to identify the bacteria.
- Q9. What is BACTEC system? Briefly explain the different methods for the cultivation of bacteria.

**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.**