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Total No. of Pages : 02

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B.Sc. (MLS) (Sem.-2)
SYSTEMATIC BACTERIOLOGY

Subject Code : BMLS-201-18

M.Code : 75897

Date of Examination: 15-12-2022

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

- 1. Write notes on :**
- A) Albert's staining.
 - B) Culture media.
 - C) Food poisoning.
 - D) Antibiotic susceptibility testing.
 - E) Agglutination.
 - F) Carbohydrate fermentation.
 - G) Tuberculosis granuloma.
 - H) VDRL test.
 - I) Morphology of vibrio.
 - J) Serology.

SECTION-B

2. How will you perform and interpret indole test?
3. How do you collect urine for culture?
4. Describe the laboratory diagnosis of *Corynebacterium*.
5. Describe the pathogenesis and lab diagnosis of *Bordetella*.
6. Write a note on negative staining method.

SECTION-C

7. Describe the morphology & culture characteristics of *N. gonorrhoea*.
8. Explain the BACTEC system? Briefly explain the different methods for the cultivation of bacteria.
9. Classify anaerobic bacteria on the basis of the degree of anaerobiosis required for growth.

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.