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Total No. of Pages : 02

Total No. of Questions : 09

M.Sc. (Medical Microbiology) (Sem.-2)

**SYSTEMIC BACTERIOLOGY**

Subject Code : MMB-201-21

M.Code : 92124

Date of Examination : 04-07-22

Time : 3 Hrs.

Max. Marks : 70

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B comprising of EIGHT questions of FIVE marks. Attempt any SIX questions from this part.
3. SECTION – C comprising of TWO questions of TEN marks each with internal choice.

**SECTION-A**

1. Write short notes on :
  - a) Give two examples for Enterobacteriaceae.
  - b) Write the morphological characteristics of Chlamydia.
  - c) What is the role of epidemiological markers in epidemiology?
  - d) Write the morphological characteristics of *Vibrio*.
  - e) How to control infection?
  - f) Briefly discuss about *Bordetella pertussis*.
  - g) Give pathogenicity for klebsiella?
  - h) Give two examples for gram negative bacilli.
  - i) Enlist the laboratory diagnosis of *E. coli*.
  - j) Write the morphological characteristics of gram-positive cocci.

### SECTION-B

2. How to control and prevent the community infection?
3. Discuss various carriers and sources of infection in the community.
4. How to identify the *Mycobacterium leprae* with their pathogenesis?
5. Explain the morphological characteristics for *Campylobacter jejune*?
6. Write the cultural characteristics of *Hafnia*.
7. Give the laboratory diagnosis for *Citrobacter*.
8. Morphological characteristics of *Spirochaetes* and *Streptococcus*.
9. Write the pathogenesis for mycoplasma.

### SECTION-C

10. Elaborate about normal flora of human body with their control and prevention of community infection.

or

Explain a detail account of cultural and morphological characteristics of *Hemophilus influenza*.

11. Explain in detail about the morphological characteristics and pathogenicity of *Actinomycetes*.

or

Elaborate about the laboratory diagnosis of *Citrobacter*.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**