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Total No. of Pages : 02

Total No. of Questions : 11

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

**SYSTEMIC BACTERIOLOGY**

Subject Code : MMB-201-21

M.Code : 92124

Date of Examination : 02-06-2023

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 contains EIGHT questions carrying FIVE marks each and students have to attempt any SIX questions.
3. SECTION-C will comprise of two compulsory questions with internal choice in both these questions. Each question carries TEN marks.

**SECTION-A**

**1. Answer Briefly :**

- a) Difference between cocci and bacilli.
- b) Name source of infections.
- c) Infection caused by M. tuberculosis and Neisseria.
- d) Name some gram-negative bacilli.
- e) Morphological character of E. Coli.
- f) Clinical manifestation of Brucellosis.
- g) Diagnosis of influenza.
- h) Pathogenesis of infection caused by H. Pylori.
- i) Clinical manifestation of Clostridium.
- j) Diagnosis of Rickettsia infection.

### SECTION-B

2. Write a note on normal flora of human body.
3. Give an account on morphological characters and diagnosis of infection caused by M.tuberculosis.
4. Enumerate on the laboratory diagnosis and Clinical manifestation of Shigella and Salmonella.
5. Write a note on culturing and morphological characters of Brucellae and M. Catarrhalis.
6. Discuss the clinical manifestation and pathogenicity of Staphylococcus and Streptococcus.
7. Enumerate on the laboratory diagnosis and Clinical manifestation of Yersinia pestis and Campylobacter jejune.
8. Discuss on epidemiological markers and prevention of community infections.
9. Discuss the clinical manifestation and pathogenicity of Listeria and Citrobacter.

### SECTION-C

10. Give a detailed account on different carriers and sources of infection. Write clinical manifestation and laboratory diagnosis of Actinomycetes.

**OR**

Give a detailed clinical manifestation, pathogenicity, morphology and laboratory diagnosis of Corynebacterium and Monocytogenes.

11. Write in detail about morphology, clinical diagnosis, culture techniques for Spirochaetes.

**OR**

Explain in detail account of cultural and morphological characteristics of actinomycetes.

**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.**