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(20525)
M.Sc.-II Sem.

Printed Pages : 2
Roll No.

PG-397

M.Sc. Examination, May-2025
MEDICAL MICROBIOLOGY
Systematic Bacteriology
[MM-201]

Time : Three Hours] [Maximum Marks : 50

Note : Attempt all the sections as per instructions.

Section-A

(Very Short Answer Questions)

Note : Attempt all 5 questions. Each question carries 2 marks. Answer of very short questions required not exceeding 75 words. $5 \times 2 = 10$

1. Beta-lactamase
2. Food poisoning
3. Toxic shock syndrome
4. Nosocomial infection
5. MDR

Section-B

(Short Answer Questions)

Note : Attempt any 2 questions out of the following three questions. Short answer is required not exceeding 200 words. $2 \times 5 = 10$

6. Discuss laboratory diagnosis of chlamydial infections.

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7. How is the CAMP test performed ? Write down the procedure.
8. Describe the alpha, beta, gamma haemolysis. Why is this reaction important in the identification of streptococcus.

Section-C

(Long Answer Questions)

Note : Answer any 3 question out of the following 5 questions. Each question carries 10 marks. Detailed answer is required. $3 \times 10 = 30$

9. Describe the mechanism of antibiotic sensitivity test.
10. Describe technique of sputum sample collection of diagnosis of pulmonary tuberculosis.
11. Describe virulence factors of Vibrio cholera and its laboratory diagnosis of cholera infection.
12. What is plague ? Explain symptoms, diagnosis and treatment in plague.
13. What are the characteristics of Diphtheria ? What are the symptoms in diphtheria and how the diphtheria toxin inhibit protein synthesis ?