

Seat No. : \_\_\_\_\_

# AE-125

April-2025

B.Sc., Sem.-VI

CC-309 : Microbiology

(Medical Microbiology)

Time : 2:30 Hours]

[Max. Marks : 70

- Instructions :**
- (1) All questions are compulsory.
  - (2) Figure on the right indicates marks.
  - (3) Mention correct question number against the answer.
  - (4) Draw figures wherever necessary.

1. Describe the virulence power of pathogenic bacteria and viruses. 14

**OR**

1. (A) Describe the normal flora of mouth and small intestine. 7  
(B) Write a note on host parasite relationship. 7

2. Write a detail account for infectious disease cycle. 14

**OR**

2. (A) Write a brief note on nosocomial infection. 7  
(B) Write a note on schedule of vaccination followed in India. 7

3. Discuss the types, characteristics and collection of specimens used in clinical microbiology laboratory. 14

**OR**

3. (A) Write a note on microscopic diagnosis of diseases. 7  
(B) Describe the detectable pathological changes observed in blood and body fluid. 7

4. Discuss the pathogen, symptoms, transmission, diagnosis and control of Syphilis. 14

**OR**

4. (A) Describe transmission, symptoms and control of Tuberculosis. 7  
(B) Write a note on transmission, symptoms and control of typhoid. 7

5. Write short & specific answers : (Any **Seven**)

**14**

- (1) Write two normal flora bacteria of stomach.
  - (2) Define : Lethaldose 50
  - (3) Write one significance of gnotobiotic animal.
  - (4) Write two examples of pandemic diseases.
  - (5) Write two hazards of vaccination.
  - (6) Name two epidemiological markers.
  - (7) Write two methods of specimen reservation.
  - (8) Define : Biosensors
  - (9) Write names of two blood anticoagulants.
  - (10) Name causative agents of Swine flu and Hepatitis A infections.
  - (11) Write names of two insects-borne diseases.
  - (12) Define : Negri bodies. Write one significance of negri bodies.
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