



**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore -641043**

Continuous Internal Assessment II- April 2025

II Semester

**Class : I UG
Branch : PHYSIOTHERAPY**

**Time : 2 Hours
Max. Marks : 60**

22BPTC10 MICROBIOLOGY

Course outcomes:

CO1: Knowledge about disease and changes in structure and function of cells during disease condition gained.

CO2: Understand about importance of nutrition, function of nutrition and its deficiency diseases gained

CO3: Learn the Pathogenesis and pathological changes of disease in various body system.

CO4: Knowledge about the various microorganisms, its classification and structure gained.

CO5: To Know about the various disease caused by microorganism and its prevention

Part A

Answer all questions (1 x6 =6marks)

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|--|----------------------------|
| 1. Pseudomembrane (gray coating of tonsils) is caused by | CO3K1 |
| a) <i>C. diphtheriae</i> | b) <i>C. tetani</i> |
| c) <i>C. difficile</i> | d) <i>C. Albicans</i> |
| 2. Risus sardonicus is a symptom of | CO3K1 |
| a) tetanus | b) cholera |
| c) pseudomonas infection | d) herpes virus |
| 3. Pseudomonas is a type of | CO3K1 |
| a) virus | b) gram positive bacterium |
| c) Gram negative Bacteria | d) Fungi |
| 4. HIV viruses contain | CO5K1 |
| a) Single strand RNA | b) Double strand RNA |
| c) Single strand DNA | d) Double strand DNA |
| 5. Virus infecting bacteria are called | CO5KI |
| a) Virion | b) Retrovirus |
| c) Bacteriophage | d) parvovirus |
| 6. Hospital acquired infections are called as | CO4KI |
| a) Nosocomial infection | b) Nosocomial Infection |
| c) Fomite infection | d) Vector infection |

Part B

Answer All questions (3 x 6 = 18 marks)

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|---|-------|
| 7. a) Explain the stages of infection (or) | CO3K3 |
| b) Describe any gram negative bacterial infection | CO3K2 |
| 8. a) Discuss <i>Mycobacterium leprae</i> (or) | CO4K2 |
| b) Describe wound infection | CO4K2 |
| 9. a) Elaborate on RTIs (or) | CO4K2 |
| b) Explain about Polioinfection | CO5K2 |

Part C

Answer all questions (3 x 12=36 marks)

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| 10. a) Discuss on <i>Mycobacterium tuberculosis</i> (or) | CO4 K3 |
| b) Explain Tetanus Infection | CO3 K3 |
| 11. a) Elaborate on UTI (or) | CO4 K3 |
| b) Describe Hospital acquired infections | CO4 K3 |
| 12. a) Discuss Virus size, shape, classification, structure and virus reproduction (or) | CO5 K2 |
| b) Elaborate on HIV infection | CO5 K3 |