

M.Sc. 2nd Semester Examination, 2025

MICROBIOLOGY

PAPER—MCB-201

Full Marks : 25

Time : 1 hour

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

GROUP — A

Answer any two questions : 2 × 2

1. Define pathogen and virulence.
2. Write the classification of exotoxin with example.
3. What is squid melanin ?

(Turn Over)

(2)

4. What is invasin ? Give one example.

GROUP – B

Answer any two questions : 4×2

5. Distinguish between overt and opportunistic pathogens with suitable examples.
6. Describe the role of fibroblast cells in wound healing.
7. Describe the steps of biofilm formation.
8. State the cytopathic effect of virus infection.

GROUP – C

Answer any one question : 8×1

9. Describe the characteristics of different phases of infectious disease.

(3)

10. Describe different factors that induced dimorphic nature of pathogenic fungi. How mycotoxins affects the host cell ?

[Internal Assessment – 5 Marks]

