

QP Code: 102528

Reg. No:

**D.M (Infectious Diseases) Degree Regular/Supplementary
Examinations December 2025**

**Paper II – Clinical Microbiology including Bacteriology, Parasitology, Virology
& Mycology and Pharmacology**

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Compare and contrast the structural differences in gram positive and gram negative bacteria. Discuss the inherent, acquired and adaptive resistance mechanisms and newer therapeutic options for *Pseudomonas aeruginosa*.

Short essays: (8x10=80)

2. Mention the mechanism of action, PK-PD and antifungal spectrum of echinocandins with a note on rezafungin
3. Enlist the indications of therapeutic drug monitoring with 3 examples of clinical scenarios where it is currently used
4. Principles of Transmission based precautions with examples
5. IVIg in Infectious Diseases
6. HIV infection – viral structure, genome and diagnosis
7. *Stenotrophomonas maltophilia* – clinical manifestations, diagnosis and management
8. *Fasciola hepatica*
9. Leishmaniasis – classification, clinical features, diagnosis and management
