

**PG Degree Regular/Supplementary Examinations in Microbiology  
(MD) January 2025**

**Paper II - Bacteriology and Mycology**

**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. Enumerate the Clostridia of medical importance, write the diseases produced by them and their virulence factors. Discuss in detail about antibiotic associated Diarrhoea.

**Short essays:**

**(8x10=80)**

2. Melioidosis as an emerging disease
3. Enumerate the Dimorphic fungi. Describe epidemiology, pathogenesis and laboratory diagnosis of any one them
4. Discuss the pathogenesis, laboratory diagnosis and antimicrobial resistance of non typhoidal salmonellae
5. Describe the epidemiology of dermatophytosis in India. Discuss the pathogenesis, laboratory diagnosis and recent trends in infections produced by dermatophytes
6. Write in detail the etiology, pathogenesis and laboratory diagnosis of a case suspected of Infective Endocarditis.
7. Mycotoxins
8. Discuss the clinical features, pathogenesis and laboratory diagnosis of aspergillosis
9. Non culture methods for fungal diagnosis

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