

QP Code:102109

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Microbiology  
(MD) June 2024**

**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. Discuss in detail the methods for identification of yeasts isolated in culture from samples received in the laboratory. Add a note on Antifungal susceptibility testing for yeasts. Discuss Antifungal stewardship.

**Short essays:**

**(8x10=80)**

2. Discuss role of anaerobes in health and disease
3. Discuss the epidemiology of zygomycosis in India and their pathogenesis and laboratory diagnosis
4. Laboratory diagnosis and virulence mechanisms of Helicobacter pylori
5. List the bacterial causes, pathogenesis and laboratory diagnosis of food poisoning
6. Discuss the components of the STOP TB strategy by WHO, adopted in India
7. Fungal infections of the central nervous system- Etiology and laboratory diagnosis.
8. List the bacterial causes of Sexually transmitted diseases. Discuss laboratory diagnosis of and antibiotic resistance in Neisseria gonorrhoea.
9. Diarrhoeagenic Escherichia coli

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