

**PG Degree Supplementary Examinations in Microbiology (MD)  
July 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. Discuss in detail the pathogenesis and diagnostic methods of pulmonary tuberculosis. Discuss the detection methods of drug resistant strains of mycobacterium tuberculosis. Add a note on the role of clinical microbiologist in NTEP.

**Short essays: (8x10=80)**

2. Scrub typhus.
3. Melioidosis.
4. Coagulase negative staphylococci.
5. Cryptococcosis.
6. Eumycotic mycetoma.
7. Antifungal resistance.
8. Pneumocystis jirovecii.
9. Non albicans candida.

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