

QP CODE: 202326

Reg. No:

**Second Year Pharm D Degree Regular/Supplementary Examinations
September 2025**

Pharmaceutical Microbiology

Time: 3 Hours

Total Marks: 70

- *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*

Essays

(3x10=30)

1. Explain Ultrastructure of bacteria with Neat labelled diagram.
2. Define disinfectants and classify them with examples. Mention the factors influencing their activity.
3. Explain microbiological assay of Penicillin.

Short notes

(8x5=40)

4. Add a note on scope of microbiology.
5. Classify bacteria based on their shape.
6. Grams' staining techniques.
7. Differentiate active and passive immunity.
8. Write a note on importance of Booster dose.
9. Write the importance of schick's test.
10. Write the clinical presentation of tuberculosis.
11. Discuss about treatment and prevention of control of sexually transmitted diseases.
