

QP CODE: 202326

Reg. No:

**Second Year Pharm D Degree Supplementary Examinations
March 2023**

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. a) Classify bacterial media with specific example
b) Give a note on aerobic bacterial medium
2. Explain principles involved in sterilization by filtration. Add a note on its merits and demerits
3. Classify immunity and give a note on toxoids.

Short notes

(8x5=40)

4. Explain on the isolation of bacteria.
5. Write the merits and demerits of the sterilization technique.
6. Write the significance of Schick's test.
7. Brief the construction and working of laminar airflow
8. Brief about the Microbial assay of Vitamin B₁₂.
9. Explain the study of infectious disease tuberculosis.
10. Describe the counting techniques of bacteria.
11. Explain the study of malarial parasites.
