

QP CODE: 202326

Reg. No:

Second Year Pharm D Degree Supplementary Examinations May 2022

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 functions, merits, and demerits of a hot air oven.
2. Describe the bacterial structure, growth, and metabolism.
3. Classification of cultivation techniques and the steps involved in the replication of the virus.

Short notes

(8x5=40)

4. Explain on incineration.
5. What is innate immunity, and discuss its mechanism.
6. Describe the structure and functions of immunoglobulins.
7. Compound microscope with neat diagram.
8. Write about the significance of acid-fast staining.
9. Difference between Southern Blot Test and Western Blot Test.
10. Moist heat sterilization.
11. Principle involved in the membrane filtration method of sterility test.
