

QP Code: 323006

Reg. No.....

**Third Semester B. Pharm Degree Supplementary Examinations
April 2022**

Pharmaceutical Microbiology

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- *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

(2x10=20)

1. Describe the methods used in the isolation of pure cultures of bacteria
2. Explain dry heat sterilization

Short Notes

(7x5=35)

3. Nutritional requirements of bacteria
4. Preservation of pharmaceutical products
5. Explain the methods of cultivation of viruses
6. Phenol coefficient tests
7. Design of aseptic area
8. Microbial assay of antibiotics
9. Detail the various methods of cultivation of anaerobic bacteria

Answer Briefly

(10x2=20)

10. Evaluation of microbial stability of pharmaceutical products
11. Define prophage
12. Procedure of animal cell culture
13. Different types of reproduction in fungi
14. Cell wall composition of procaryotes
15. Tyndallization
16. Types of flagellar distribution
17. Principle of Gram's staining method
18. Differentiate antiseptics and disinfection
19. Principle of phase-contrast microscope
