

QP Code: 323006

Reg. No.....

**Third Semester B. Pharm Degree Supplementary Examinations
October 2024**

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. Explain the principle, construction, working and validation methods of autoclave.
2. Discuss the phenol coefficient methods for evaluation of disinfectants

Short Notes

(7x5=35)

3. Virus cultivation by chick embryo technique
4. Cultivation of anaerobic bacteria
5. Two bacteriostatic evaluation tests
6. Principle of Voges-Proskauer test."Construction and applications of a Laminar Air flow unit
7. Principle involved in microbial assay of antibiotics
8. Sporogenesis in bacteria

Answer Briefly

(10x2=20)

10. Who discovered • Rabies Vaccine • Small pox vaccine
11. Functions of bacterial capsule
12. Composition of nutrient agar media
13. Two fungal media
14. Principle of dark field microscopy
15. Principle of acid fast staining
16. Significance of pili and flagella
17. Differentiate prokaryotes and eukaryotes
18. Pasteurization
19. Four applications of animal cell culture
