

QP Code: 323006

Reg. No.....

Third Semester B.Pharm Degree Examinations January 2019

Pharmaceutical Microbiology

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Describe the methods used for isolation and preservation of pure cultures.
2. Describe the sources, types and assessment of microbial contaminants

Short Notes

(7x5=35)

3. Dry heat sterilization
4. Physical conditions required for microbial growth
5. Rideal Walker coefficient
6. Factors affecting disinfectant action
7. Animal cell culture media
8. Microbiological assay of antibiotics
9. Reproduction of fungi

Answer Briefly

(10x2=20)

10. Classify clean area
11. Lytic and lysogenic phases of viral multiplication
12. Which tests are known as IMV₁C biochemical tests
13. Principle of electron microscopy
14. Acid fast staining.
15. Applications of gaseous sterilization
16. Functions of bacterial capsule
17. Witness tube as sterilization monitor
18. Difference between antiseptic and disinfectant
19. Exponential phase of normal growth curve
