

QP CODE: 202326

Reg.No:

**Second Year Pharm D Degree Supplementary Examinations
January 2018
Pharmaceutical Microbiology**

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(3x10=30)

1. Classify disinfectants and explain the mode of action of each class with example.
2. Explain different types of antigen- antibody reactions with examples.
3. Define sterilization and classify different methods of sterilization. Differentiate between dry heat and moist heat sterilization.

Short notes

(8x5=40)

4. What are anaerobes and how they are cultivated.
5. Explain the principle and procedure for assay of streptomycin.
6. Procedure and principle involved in MRVP test.
7. Classify microorganisms based on their physical requirement.
8. ELISA test.
9. Differentiate between endotoxin and exotoxin.
10. Explain the morphology of fungi with a neat diagram.
11. Describe any two methods of viable count.
