

QP CODE: 202326

Reg. No:

**Second Year Pharm D Degree Supplementary Examinations
December 2019**

Pharmaceutical Microbiology

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Define and classify disinfectants. Write a detailed note on factors affecting disinfectants' activity and mechanism of action (4 + 6)
2. Describe in detail on principles and methods of different microbiological assays.
3. Define bacteria. What are different media required for the growth of aerobic and anaerobic bacteria.

Short notes

(8x5=40)

4. Define steps involved in cultivation of viruses.
5. Explain Ridel Walker test.
6. Describe techniques for total and viable count of bacteria.
7. Explain sterilization and explain in brief various methods of sterilization.
8. How is bactericidal and bacteriostatic activity evaluated.
9. Explain immunization programme and importance of booster dose.
10. Write detailed note on Hepatitis.
11. Explain diagnostic tests - Widal and QBC test.
