



Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – NOV 2016

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL MICROBIOLOGY

Q.P. CODE: 2857

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any two)

2 x 10 = 20 Marks

1. Classify viruses. Explain the morphology and replication of viruses.
2. Explain the principle and procedure for microbiological assay of vitamin B₁₂.
3. Define and classify sterilization. Describe equipment, method and applications of sterilization by hot air oven.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Bacterial growth curve.
5. Write different methods of preservation of bacterial cultures.
6. Detailed procedure of sterility testing.
7. Examples, mode of action and application of halogen and alcohol disinfectants.
8. Rideal walker test.
9. Explain Schick test.
10. Mode of transmission, symptoms, treatment and prevention of Cholera.
11. Standardization of Vaccines and Sera.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Industrial importance of yeasts.
13. Classify immunity.
14. Define antiseptic and disinfectant.
15. Negative staining.
16. QBC test.
17. Tyndallization.
18. Morphological classification of fungi.
19. Exotoxins.
20. Thermal death time.
21. Types of antigens.

