

Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharma-D Degree Examination – Aug / Sep 2011

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. Explain the principle and method of microbiological assay of penicillin
2. With the help of a neat diagram explain the principle, construction, working and applications of Hot air oven
3. Draw a neat diagram of virus cell and explain different stages of viral replication

SHORT ESSAYS (Answer Any Six)

6 x 5 = 30 Marks

4. Explain the life cycle of malarial parasite
5. Write the principle and procedure involved in southern blot test
6. Define immunity and classify with suitable examples
7. Discuss the methods of viral cultivation
8. Define pure culture and explain how do you preserve pure cultures
9. Explain the principle and procedure involved in MR – VP test
10. Discuss sterilization by radiation
11. Discuss immunization programs and importance of booster dose

SHORT ANSWERS

10 x 2 = 20 Marks

12. Fungi
13. QBC
14. Viable count
15. Doctrine of spontaneous generation
16. Causative organism of TB and typhoid
17. Difference between gram positive and gram negative cell wall
18. Meningitis
19. Selective media
20. Ideal properties of disinfectant
21. Pathogenicity test
