

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Pharm Degree Examination – Aug / Sep 2011

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL MICROBIOLOGY & BIOTECHNOLOGY (Revised Scheme 3)

Q.P. CODE: 2607

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 in detail about factors affecting disinfectant activity
2. Enumerate various antigen – antibody reactions; discuss in detail the precipitation test
3. Explain the method of microbiological assay of streptomycin

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Write a note on biological indicators
5. Write the principle, procedure and applications of Wasserman's Test
6. Write the different methods of evaluation of preservatives used in pharmaceutical preparations?
7. Write the steps involved in recombinant DNA technology
8. Write a note on standardization of vaccines
9. Explain bacterial growth cycle
10. Write a note on Ig G
11. Define bacteriophage. How does it differ from bacteria?

SHORT ANSWERS

10 x 2 = 20 Marks

12. Simple staining
13. Fimbriae
14. Binary fission
15. Mycology
16. Transduction
17. Difference between black and white fluids
18. Classification of immunity
19. Widal test
20. Toxoids
21. Fermentors
