

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Pharm Degree Examination – NOV 2017

Time: Three Hours**Max. Marks: 80 Marks**

PHARMACEUTICAL MICROBIOLOGY & BIOTECHNOLOGY (Revised Scheme - 2)

Q.P. CODE: 1957

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. Write the production of Hepatitis-B by recombinant DNA technology.
2. Explain the various tests for evaluation of bacteriostatic activity of disinfectants.
3. Write in detail the production of streptomycin by fermentation with neat flow diagram.

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. Cultivation of viruses
5. Bacterial Vaccines
6. Media used for animal cell culture
7. Antigen-Antibody reactions
8. Acid fast staining
9. Radiation sterilization
10. Elisa Test
11. Counting of Bacteria
12. Explain bacterial recombination.
13. Principle involved in microbiological assays

SHORT ANSWERS**10 x 2 = 20 Marks**

14. Bacteriophage
15. Test for sterility
16. Maintenance of cultures
17. Classify immunity.
18. Structure of bacteria
19. Contributions of Louis Pasteur
20. Immuno deficiency disorders
21. Application of monoclonal antibodies
22. VDRL Test
23. Difference between bacteria and virus
