

Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharma-D Degree Examination – June/July 2014

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. Write the principle and procedure involved in the microbial assay of penicillin.
2. Explain the life cycle of malarial parasite with a pictorial representation.
3. Detail antigen-antibody reactions.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Western blotting
5. Write a note on viable count of bacteria.
6. Explain the pathogenesis of cholera.
7. Standardization of vaccines
8. Write the various methods of cultivation of viruses.
9. Phagocytosis
10. Write an elaborate note on filtration sterilization.
11. Bacterial growth curve

SHORT ANSWERS

10 x 2 = 20 Marks

12. Flagella
13. Name the etiological agent of typhoid.
14. Acid-fast staining
15. Selective medium
16. Define the terms antigen and antibody.
17. Positive features of Pasteurization over tyndallization in the microbial control of milk
18. Coulter counter
19. Write two applications of ELISA.
20. Bacteriophage
21. Necessity for the maintenance of humidity in ethylene oxide sterilization
