

Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – 18-Nov-2022

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL MICROBIOLOGY (RS & RS2)

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. Discuss in detail the Agglutination and complement fixation tests. (6+4)
2. Explain evaluation of bacteriostatic and bacteriocidal activity of a disinfectant. (5+5)
3. Enlist methods used for total and viability bacteria. Describe method of total counting. (4+6)

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Describe bacterial growth curve.
5. Write about importance of microbial preservation technique.
6. Write in detail about QBC test.
7. Write a note on standardization of Vaccines.
8. What is infection? Explain about Gonorrhea infection and treatment.
9. Write the procedure, merits and demerits of ethylene oxide sterilization.
10. Write a note on cultivation of virus.
11. Write principle and procedure of Acid-fast staining.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Name two antiretroviral drugs used in treatment of AIDS.
13. Name the causative organism for Syphilis and mode of transmission.
14. What is tyndallization?
15. Give examples for disinfectants with antifungal activity.
16. What are haptens?
17. Write the concept of spontaneous generation.
18. Write contributions of Alexander Fleming.
19. Mention pharmaceutical uses of fungi.
20. What is envelope in virus?
21. Mention media used in sterility test.
