

Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – MAY 2016

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 nutritional requirements of Bacteria in detail.
2. Explain the life cycle of malarial parasite with diagnostic test and treatment.
3. Describe the methods of sterility testing in pharmaceutical products.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Cultivation of bacteriophages
5. Classify immunity and write a note on each.
6. Write a short note on gonorrhoea.
7. Classify bacteria's morphologically with examples.
8. Write a note on ELISA.
9. Write a detailed note on antibody production.
10. Explain the principle and technique of Gram's staining.
11. Anaerobic bacterial cultivation.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Enriched medium
13. Name the etiological agents and symptoms of AIDS.
14. Properties of antigens
15. Define prophage.
16. Differentiate optimum and maximum growth temperature of bacteria.
17. Schick's test
18. Generation time
19. Quote two differences between viruses and bacteria.
20. Freeze drying
21. Bacterial endospores
