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Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharma-D Degree Examination – Sep 2012

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 different methods of cultivation of anaerobic bacteria
2. Define bacteria and explain different types of bacterial classification with examples
3. Define & classify sterilization technique. Explain validation of moist heat sterilization

SHORT ESSAYS (Answer Any Six) **6 x 5 = 30 Marks**

4. Discuss the properties of antigen
5. Discuss the applications of southern blot test and Elisa test
6. Define culture media. Explain sugar media & transport media with suitable examples
7. With the help of a neat diagram explain bacterial spores
8. Enumerate different methods of isolation of pure culture and explain any two
9. Explain the principle involved in Gram's staining
10. Explain Roll tube method and Drop technique
11. Discuss the different methods for maintenance of laboratory cultures

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

12. Enriched Media
13. Syphilis
14. Phagocytosis
15. Bacterisotatic
16. Booster dose
17. Industrial applications of Fungi
18. Exotoxins
19. Flagella
20. 8 – hydroxyl quinoline
21. Viable Count

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