

# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination – Aug / Sep 2011

**Time: Three Hours**

**Max. Marks: 70 Marks**

## PHARMACEUTICAL TECHNOLOGY AND BIOPHARMACEUTICS (Revised Scheme – 3)

**Q.P. CODE: 2616**

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. Define tablets. Explain in detail quality control tests of tablets
2. Define Bioavailability and discuss in detail measurement of Bioavailability
3. Define aerosols and explain quality control tests of aerosols

### SHORT ESSAYS (Answer any Six)

**6 x 5 = 30 Marks**

4. Write a note on evaluation methods for ointments
5. Discuss the filling methods of aerosols
6. Discuss in detail the different methods of preparation of suppositories
7. Add a note on general requirements of ophthalmic preparations
8. Explain the formulation of shampoo
9. Write a note on film coating
10. Write a note on Radiopharmaceuticals
11. Explain about granulation techniques

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Differentiate between cold cream and vanishing cream
13. Write in brief about hydrocarbon propellants
14. List the components of aerosol valve assembly
15. Write a note on metered dose inhalers
16. Write the quality control tests for capsules
17. List the different routes of parenteral administration
18. Explain pinocytosis
19. Give the blood level curve for intravenous dose administration
20. Define the terms: a) Occlusive Layer b) Directly compressible diluents
21. Write the differences between gels and jellies

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