

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination - Aug / Sep 2011

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICS

Q.P. CODE: 2852

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 Percolation. Write the principle of percolation and explain process in detail with a neat labeled diagram
2. What is meant by a dosage form? Classify and explain dosage form according to route of administration
3. Define suspension. Discuss the preparation and evaluation of a suspension

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Define pharmacopoeia. Discuss pharmacopoeia of India
5. How many ml of 50% w/v dextrose solution and how many ml of 5% w/v dextrose solution are required to prepare 5.5 litres of a 10% w/v solution
6. Write a note on absorbent cotton wool
7. Discuss therapeutic incompatibility
8. What is meant by displacement value of a medicament? Calculate the formula for 12 suppositories of boric acid each weighing 4 g and containing 300 mg of boric acid (Displacement value of boric acid = 1.6)
9. Write a note on emulsifying agents
10. Write a note on effervescent powders
11. Define Elixir. Classify Elixirs. Discuss how they are prepared

SHORT ANSWERS

10 x 2 = 20 Marks

12. Quote an example for explosive combination and give its remedy
13. Write the method used to prepare a dosage form containing diffusible precipitate
14. Write a note on collodions
15. Write a note on multiple maceration
16. Scope of profession of pharmacy in India
17. Advantages of Theobroma oil as a suppository base
18. How suspensions containing poorly wettable solids are prepared
19. Write differences between boilable and non-boilable sutures
20. Why does simple syrup IP not have any preservative?
21. How do you sterilize surgical cotton?
