

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharma-D Degree Examination - Aug / Sep 2011

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL FORMULATIONS

Q.P. CODE: 2866

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. What are pharmaceutical Excipients? Write a note on different excipients used in formulation of tablets
2. What are parenteral products? Explain the formulation of parenteral product
3. What are implants? Write a note on construction and working of osmotic pump

SHORT ESSAYS

6 x 5 = 30 Marks

4. Discuss the vehicles used in parenteral preparations
5. Approaches for enhancing the aqueous solubility of poorly water soluble drugs
6. Explain different coating techniques of tablets
7. What are gels? Describe the formulation of gels
8. Explain the methods for filling liquid orals
9. What are the types of glass used for packing parenteral products
10. Explain the process of manufacture of hard gelatin shells
11. What are Novel drug delivery systems? Give examples. Write their advantages and disadvantages

SHORT ANSWERS

10 x 2 = 20 Marks

12. Difference between flocculated and deflocculated suspensions
13. What are pyrogens? Give its significance
14. What are dosage forms? Give two difference between syrup and linctus
15. What are ocuserts? Give their advantages
16. Plasticizers for making capsules
17. Methods of adjusting isotonicity
18. Leakage test for a ampoules
19. Differentiate gels and jellies
20. Friability test for tablets
21. Antimicrobials used in parenterals
