

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharma-D Degree Examination - Sep 2013

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. Name the different granulation techniques for tablet manufacturing. Explain in detail about wet granulation technique
2. Explain the quality control tests for parenterals
3. What are transdermal drug delivery systems? List the formulation approaches of transdermal drug delivery systems. Add a note on matrix diffusion system

SHORT ESSAYS

6 x 5 = 30 Marks

4. What are dosage forms? Classify them suitably
5. Write a note on parenteral emulsions
6. Explain the coating defects of tablets
7. Classify ointment bases with examples. Explain water miscible bases
8. Define laminar flow of air. Give its significance in maintenance of aseptic area
9. *Describe the evaluation tests for suspensions.*
10. Explain the process of soft gelatin capsules manufacture by rotary die process
11. Discuss the various factors affecting the absorption through skin

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write a note on formulation of gels
13. Vehicles used in parenterals
14. *List out different types of plastics used in packaging of Parenterals.*
15. Implantable drug delivery systems
16. Types of gelatin
17. Significance of isotonicity in parenterals
18. Importance of base adsorption
19. *Excipients used for capsule filling*
20. Write a note on any two quality control tests for tablets
21. *Instability of emulsions*
