

Rajiv Gandhi University of Health Sciences, Karnataka  
III Year Pharma-D Degree Examination - Mar 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. What are buccal dosage forms? Explain the formulation approaches of buccal formulations
2. What are ointments? Classify different ointment bases with examples? Write in brief about water miscible bases
3. What is granulation? Describe the direct compression technique of tablets. Give their advantages and disadvantages

**SHORT ESSAYS**

**6 x 5 = 30 Marks**

4. What are the ideal characteristics for film coating materials
5. Name the sources of contamination and methods of prevention in aseptic areas
6. What are emulsions? Describe the instability problems associated with emulsions
7. Describe the various sterilization techniques for parenterals
8. Write a note on quality control tests for soft gelatin capsules
9. What are semi solid dosage forms? Describe the formulation of suppositories
10. Explain the formulation factors and manufacture of suspensions
11. Write a note on long acting parenterals

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Importance of gram per minim factor
13. Buffers for parenterals
14. Flavouring and coloring agents for tablets
15. Ampoule sealing techniques
16. What are lubricants and glidants? Give examples
17. Enlist the steps of sugar coating
18. Bloom strength and its importance
19. Mucoadhesive drug delivery systems
20. Importance of disintegration test for tablets
21. Solvents used in parenterals

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