

**Rajiv Gandhi University of Health Sciences, Karnataka**  
III Year Pharma-D Degree Examination -Sep 2012

**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. Explain the different quality control tests for tablets
2. Explain with a neat labeled diagram the manufacture of soft gelatin capsules by rotary die process
3. Explain the formulation of parenteral products and regulation of air control in parenteral unit

**SHORT ESSAYS**

**6 x 5 = 30 Marks**

4. Explain wet granulation process with its merits and demerits
5. Describe the manufacture of hard gelatin capsule shell
6. Discuss the different methods to solubilise poorly soluble drugs
7. With examples classify the different types of ointment bases
8. Discuss pyrogen test for parenteral products
9. List out the advantages and disadvantages of transdermal drug delivery systems
10. Classify the different types of liquid dosage forms
11. Explain different approaches of buccal drug delivery systems

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Name the various film coating defects
13. Capping & Lamination in Tablet manufacturing
14. Name the methods used for evaluation of suspension
15. Classify jellies
16. Name the requirements for parenteral products
17. Implants
18. Lozenges
19. Sterilization methods for parenterals
20. Lubricant and glidants
21. Give examples for parenteral vehicles

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