



Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – DECEMBER 2015

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. Write a note on formulation of capsule shell and give detailed account on formulation of hard gelatin capsule.
2. What is granulation? Explain about various granulation techniques.
3. Define liquid orals. Write the formulation of liquid orals.

SHORT ESSAYS**6 x 5 = 30 Marks**

4. What are the importance of tablet coating. List out coating equipments used.
5. Write briefly about penetration enhancers.
6. Describe in detail formulation and manufacture of ophthalmic suspension.
7. Sterility test for injections.
8. Factors affecting drug absorption through the skin
9. Explain filling and packing of liquid orals.
10. Write a note on creaming and cracking.
11. List out advantages and disadvantages of transdermal drug delivery system.

SHORT ANSWERS**10 x 2 = 20 Marks**

12. Ideal requirements of tablets.
13. Sterile powders.
14. Differentiate between gels and jellies.
15. List out vehicles used for formulation of parenterals.
16. Ointment bases.
17. Moulded tablets.
18. Ideal requirements for ophthalmic products.
19. Differentiate Type I, Type II and Type III glass containers.
20. Give two examples for tonicity modifiers.
21. Displacement value and its significance

