

Rajiv Gandhi University of Health Sciences, Karnataka
III Year Pharm-D Degree Examination - 15-Nov-2023

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL FORMULATIONS (RS & RS2)

Q.P. CODE: 2866

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

LONG ESSAYS (answer any two)

2 x 10 = 20 Marks

1. Describe in detail granulation methods for the manufacture of tablets.
2. Explain the manufacturing of hard gelatin shell and filling of hard gelatin capsules.
3. Define liquid orals. Describe the formulation and evaluation of suspensions and emulsions.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Describe the film coating process of tablets.
5. Explain quality control test for hard gelatin capsules.
6. What are the requirements of ophthalmic formulations?
7. Classify and explain different types of ointment bases with examples.
8. Describe the methods to improve the solubility of poorly soluble drugs.
9. Write a note on containers used for parenterals.
10. Describe transdermal drug delivery system with example.
11. Discuss the different approaches of buccal drug delivery systems.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Capping and lamination in tablet manufacturing.
13. Classify Jellies.
14. **Name two preservatives used in preparation of liquid orals.**
15. What are lubricants and Glidants?
16. Define mucoadhesive drug delivery system and write any two advantages.
17. What are the vehicles used in parenteral products.
18. Give the reason and remedy of orange peel effect in tablet manufacturing.
19. Give reasons for instability of emulsions.
20. What are ocuserts? Give their advantages.
21. Define dusting powders and dentifrice.
