

Rajiv Gandhi University of Health Sciences, Karnataka
III Year Pharm-D Degree Examination - 11-Jun-2024

Max. Marks: 70 Marks

Time: Three Hours

PHARMACEUTICAL FORMULATIONS (RS & RS2)
Q.P. CODE: 2866

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

2 x 10 = 20 Marks

LONG ESSAYS (answer any two)

1. Define tablets. Explain in detail different granulation techniques mentioning their advantages and limitations.
2. Write the composition of hard gelatin capsule shell and explain in detail the filling of hard gelatin capsules.
3. Describe in detail the production facilities required to be maintained for parenterals.

6 x 5 = 30 Marks

SHORT ESSAYS (answer any six)

4. Explain quality control tests for tablets.
5. Discuss different polymers used for coating of tablets.
6. Explain the working of rotary die machine for manufacture of soft gelatin capsules.
7. Define sterile powders and explain the formulation of sterile powders.
8. Discuss the ideal requirements for Ophthalmic products.
9. Write a note on different types of bases used in formulation of ointments.
10. Define buccal drug delivery system and write different formulation approaches for it.
11. Classify emulsifying agents and explain the reason for instability in emulsion.

10 x 2 = 20 Marks

SHORT ANSWERS

12. Define capping and lamination in tablets.
13. Give two examples each for natural and synthetic disintegrating agents.
14. Define bloom strength and mention its significance.
15. Differentiate between flocculated and non flocculated suspensions.
16. What are prefilled syringes?
17. What are implants?
18. Give the use of eye drops and eye lotions.
19. Write a note on sealing of ampoules.
20. Define transdermal drug delivery system and mention its application.
21. What are different vehicles used in parenterals?
