

Rajiv Gandhi University of Health Sciences, Karnataka
III Year Pharm-D Degree Examination - 23-Nov-2021

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. Explain the processing problems of the tablets. Suggest the solution for the same.
2. Explain the finished product quality control tests conducted on parenterals.
3. Explain the excipients used in the manufacture of parenterals giving their functions and examples.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Explain the steps involved in sugar coating of tablets.
5. Explain the method of manufacture of hard gelatin capsule shell.
6. How weight variation and disintegration tests are conducted on soft gelatin capsules?
7. Write the science of packaging of ophthalmic formulations.
8. Explain the factors influencing solubility of drug while preparing liquid dosage forms.
9. How is drug permeation enhanced through transdermal route?
10. Explain official quality control tests for uncoated tablets.
11. Explain the evaluation of suspensions.

SHORT ANSWERS

10 x 2 = 20 Marks

12. How are liquid dosage forms classified? Mention examples for each.
13. Granulation is the pre-requisite of tableting. Justify.
14. What are the preferred storage conditions for hard gelatin capsules? What will be the result of improper storage conditions?
15. What is the rationality in conducting water attack test on only on type II glass containers?
16. Why is preservative in general not suitable for ampoules unlike multi dose vials?
17. Why are ophthalmic preparations sterile like injections?
18. How is the problem with foam formation minimised in liquid products?
19. How is long acting possible with parenteral products?
20. In what way iontophoresis is advantageous in drug administration?
21. What properties of the drug are observed in the manufacture of buccal formulations?
