

Rajiv Gandhi University of Health Sciences, Karnataka
III Year Pharm-D Degree Examination - 15-Dec-2020

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 granulation techniques involved in the manufacture of tablets.
2. Explain the formulation of parenteral products.
3. Describe in detail the production facilities required to be maintained for parenterals.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Explain official quality control tests for tablets.
5. Write about the types of gelatin and its uses. Describe the manufacture of hard gelatin capsule shell.
6. What are the different methods of manufacture of soft gelatin capsules? Explain the working of rotary die machine.
7. Explain the factors affecting absorption of drugs through skin.
8. Describe in detail the different methods of improving solubilisation of poorly water soluble drugs in liquid orals.
9. Give the characteristics of ocular drug delivery systems. Write a note on erodible ocular inserts.
10. Describe the steps involved in sugar coating process with suitable examples of Ingredients used in each step.
11. Describe the formulation of eye ointment.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Give four advantages of liquid orals.
13. Enumerate the defects of film coating.
14. Write the methods of polishing hard gelatin capsules.
15. What should be the desirable properties of rubber closures?
16. Classify injections as per USP.
17. Classify ointment bases with examples.
18. What are the methods for filling liquid orals?
19. Mention the specific advantages of implants.
20. Write the criteria involved in the selection of drugs to be formulated into transdermal drug delivery system.
21. What is mucoadhesion? Give two examples of mucoadhesive polymers.
