

Rajiv Gandhi University of Health Sciences, Karnataka

III Year Pharm-D Degree Examination – MAY-2018

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. With a neat labelled diagram, explain multistation rotary press for tablet manufacturing. Explain any two official quality control tests for uncoated tablets.
2. Describe maintenance of parenteral production environment along with cleaning and sterilization of equipment.
3. Describe dry granulation techniques and list advantages and disadvantages.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Describe sugar coating process of tablets.
5. Explain nature of soft gelatin capsule content.
6. Describe the production of hard gelatin capsule shell.
7. Write a note on containers for ophthalmic preparations.
8. Give a note on stabilisation of liquid orals.
9. Write formulation approaches for transdermal drug delivery systems.
10. Describe the diluents and disintegrants used in tablet preparation.
11. Explain in detail extraction of gelatin.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Classify liquid dosage forms with examples
13. Differentiate diluents and directly compressible diluents by giving examples.
14. Write on polishing of hard gelatin capsules.
15. Write the procedure for leakage test.
16. What are the packaging materials used for primary containers of parenterals?
17. Write four pre-requisites for ophthalmic preparations.
18. Write the merits and demerits of volumetric filling of liquid orals.
19. Write four advantages of buccal drug delivery.
20. Name four approaches in developing long acting parenterals.
21. Define nanoparticles.
