

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination – Sep 2012

Time: Three Hours

Max. Marks: 80 Marks

PHARMACEUTICAL TECHNOLOGY & BIOPHARMACEUTICS (RS - 2)

Q.P. CODE: 1966

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 formulation and manufacturing process of soft gelatin capsules.
2. Explain the Sugar coating process along with the equipments employed in coating.
3. Mention the various excipients used in Tablet dosage form. Explain in detail the properties with examples.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Explain the formulation and methods of preparation of ophthalmic dosage form.
5. Explain the formulation of gels.
6. Write a note on containers and closures used in parenteral dosage form.
7. Write a note on the containers and valves used in aerosol dosage form
8. Write a note on the blood level curves in case of IV and constant rate infusions
9. Explain the formulation of clear liquid shampoo.
10. Write a note on plastics as packing materials
11. Write a note on the layout and other facilities required for the manufacture of sterile dosage form.
12. Write a note on the bases used in suppositories
13. Explain the mechanism and working of meter dose valves used in aerosols.

SHORT ANSWERS

10 x 2 = 20 Marks

14. Mention at least four non aqueous vehicles used in sterile dosage forms
15. Mention the defects of tablets
16. Write a note on finishing of capsules
17. Define a chewable tablet and mention the QC test for the same
18. Mention the advantages of suppositories
19. What is the relationship between solubility and particle size?
20. Write a note on the passive diffusion
21. Give one formulation of nail lacquers
22. Write a note on creams
23. Mention the advantages of soft gelatin capsules.
