

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination – Aug / Sep 2011

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 in detail the evaluation tests for compressed tablets.
2. Explain the requirements for the manufacturing of sterile dosage forms
3. Explain the QC tests for aerosols.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Write a note on the nature of capsule content in case of soft gelatin capsule
5. Explain the filling and packing of Liquid oral dosage form.
6. Explain the formulation and manufacturing technique for film coating process
7. Explain the steps involved in manufacturing sterile dosage forms
8. Explain the manufacturing of aerosols
9. Write a note on the evaluation of rubber closures
10. Write a note on the filling of hard gelatin capsules
11. Explain the formulation of lipsticks.
12. Explain the various theories of dissolution
13. Give the blood level curves for oral and sustained release dosage forms.

SHORT ANSWERS

10 x 2 = 20 Marks

14. Write a note on base adsorption value
15. Write a note on filling of sterile powders
16. Double impression
17. Write the ingredients used for sugar coating of tablets
18. Define a pyrogen and mention the test for pyrogen
19. Write a note on enteric coated capsules
20. Mention the difference between type A and B gelatin
21. Give the differences between pastes and gels
22. Define class C area
23. Techniques to prevent pyrogen in WFI
