

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination – Mar 2013

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. Enumerate the various tablet manufacturing defects. Give their causes and methods to overcome.
2. What are creams? Discuss in detail the formulation of cold cream and vanishing cream.
3. Explain in detail the general formulation and filling of monophasic liquid orals

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Discuss about the facilitated and active drug transport mechanism with examples.
5. Define base adsorption and minim/gram factor. Discuss their importance.
6. Give a brief account on packaging of aerosol products.
7. List out the ideal characteristics of face powder. Write a note on the formulation of face powder.
8. Briefly explain the manufacture of capsule shells.
9. Discuss the evaluation tests for rubber closures used in vials
10. What is powdered glass test for glass container? Explain
11. Explain in brief the formulation of eye lotion
12. Define suppositories. Enlist merits and demerits of suppositories
13. How clarity and leakage tests for parenterals performed?

SHORT ANSWERS

10 x 2 = 20 Marks

14. Draw blood level curves following I.V and oral administration of drug
15. Define flash point and flame extension test
16. Define isotonic and isobaric solution with examples
17. Clarification of eye drops
18. Compression coating
19. Weight variation test for capsules
20. In vitro – in vivo correlation
21. Differentiate between small volume and large volume parenterals
22. Enumerate evaluation tests of ointments
23. List out the various factors affecting selection of dermatological vehicles
