

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination - MAY 2017

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL TECHNOLOGY AND BIOPHARMACEUTICS (Revised Scheme – 3)

Q.P. CODE: 2616

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. Describe perforated coating pans. Explain steps in sugar coating process of tablets.
2. Discuss maintenance of Parenteral production environment in detail along with cleaning and sterilization of equipments.
3. Describe quality control tests and stability studies of pharmaceutical aerosols.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Discuss dry granulation methods of tablets.
5. Formulation of hard gelatin capsules.
6. Explain in vitro and in vivo pyrogen test for parenterals.
7. Formulation of ophthalmic solutions.
8. Methods used to manufacture ointments.
9. Use of radiopharmaceuticals in treatment, discuss with examples.
10. Classify types of shampoos. Discuss formulation of gel shampoos.
11. Measurement of bioavailability.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Super disintegrating agents used in tablets.
13. Advantages of soft gelatin capsules.
14. Demerits of solutions.
15. Define gels, give examples of synthetic gelling agents.
16. Tonicity contributors.
17. Classify propellants with examples.
18. Handling of radiopharmaceuticals.
19. Film forming agents in nail lacquers.
20. Use and examples of humectants.
21. Definition of bioequivalence.
