

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination - 03-Jan-2020

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. Define Aerosols. Explain the quality control tests for aerosols.
2. Define capsule. Describe detailed steps in the manufacture of hard gelatin capsule shell.
3. With the help of a systematic layout explain different steps involved in the manufacture of parenterals.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Write a note on handling and application of radiopharmaceuticals.
5. Describe the quality control tests for soft gelatin capsules.
6. Explain the formulation requirements of chewable tablets.
7. Define an ointment. Discuss in detail different ointment bases.
8. Explain in detail Bacterial Endotoxin Test for parenterals.
9. Write a detailed note on formulation of ophthalmic ointments.
10. Write a note on the environmental control during the manufacture of parenteral products.
11. Explain disintegration test for a tablet.

SHORT ANSWERS

10 x 2 = 20 Marks

12. List-out evaluation tests for tablet.
13. Defects of film coating of tablets.
14. Define bioavailability and bioequivalence
15. List out the methods of filling of liquid orals.
16. Phagocytosis and pinocytosis
17. Different methods of sterilization of eye drops.
18. List out the ingredients of a tooth powder formulation.
19. Give the numerical designation for propellants.
20. Give the importance of granulation in tablet formulation.
21. Differentiate between cold cream and vanishing cream.
