

Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.Pharm Degree Examination - DEC-2018

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. Explain in detail various physiological factors affecting drug absorption
2. Explain in detail quality control tests for pharmaceutical aerosols.
3. Compare and contrast sugar coating and film coating of tablets

SHORT ESSAYS (Answer any Six)**6 x 5 = 30 Marks**

4. Explain formulation of liquid orals
5. Explain briefly the requirements for design of aseptic area
6. Write a note on methods of preparation of ophthalmic formulations
7. Explain briefly manufacture of hard gelatin capsules.
8. Explain the formulation and preparation of suppositories.
9. Explain the formulation and preparation of tooth paste and tooth powder
10. Write a note on radiopharmaceuticals
11. Write a note on plastic and glass as a material of packaging for parenterals

SHORT ANSWERS**10 x 2 = 20 Marks**

12. Parenterals suspension
13. Friability tests for tablets
14. Base adsorption of soft gelatin capsules
15. Propellants for aerosols
16. Define Bioequivalence and Bioavailability
17. Sterility test
18. Vehicles used in parenterals
19. Parenteral emulsion
20. Semisolid bases
21. Evaluation of ointments
