

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination – DEC-2018

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 formulation of liquid orals including methods of solubilization.
2. Explain in detail quality control tests for tablets.
3. Formulation and evaluation of suppositories.

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. Explain the components of aerosol valve assembly.
5. Discuss quality control tests for parenterals.
6. Explain briefly the requirement for design of aseptic area.
7. Explain filling of hard gelatin capsules.
8. Write a note on methods of preparation of ophthalmic formulations.
9. Explain briefly manufacture of aerosols.
10. Explain the formulation and preparation of shampoo.
11. Explain the formulation and preparation of tooth paste and tooth powder.
12. Write a note on pharmaceutical factors affecting absorption.
13. Write a note on glass as a material of packaging for parenterals.

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

14. Parenteral suspension.
15. Test for flammability of aerosols.
16. Shampoo.
17. HEPA filters.
18. Bioequivalence and its importance.
19. Blood level curves for sustained release dosage forms.
20. Vehicles used in parenteral products.
21. Determination of spray pattern in aerosol testing.
22. Semisolid bases.
23. Evaluation of ointments.
