

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Pharm Degree Examination – 17-Nov-2022

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICS (RS-3)

Q.P. CODE: 2602

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 Incompatibility. Explain the different types of physical and therapeutic incompatibilities with examples.
2. Define and classify suspensions with examples. Write the differences between flocculated and deflocculated suspensions.
3. Describe the method of preparation and standardization of surgical catgut.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain Soxhlet extraction with a neat labeled diagram.
5. Differentiate between Syrups and Elixirs.
6. In what proportion should 50%w/v and 5%w/v dextrose solution be mixed to produce 4500ml of a 10%w/v dextrose solution?
7. Classify and define different solid dosage forms with examples.
8. Explain the principle involved in the preparation of Aqueous Iodine solution.
9. Write a note on Eutectic and Explosive powders.
10. What is Displacement value? What are its importance in the preparation of suppositories? How is it calculated?
11. Write the salient features of the 1996 edition of the Indian Pharmacopoeia.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write any two formulae used in the calculation of child doses based on age.
13. Convert 40% v/v alcohol into proof spirit.
14. Define Sublimation and Ignition.
15. Enlist the official extraction processes.
16. Define Dusting powders and Insufflations.
17. Write the primary emulsion formulae for fixed oil and mineral oil.
18. Give two examples each for colorants and flavors.
19. Enumerate various types of suppository bases.
20. Give two examples each for emulsifying agents and suspending agents.
21. Give the composition of Cresol with soap solution with category.
