

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B.Pharm Degree Examination – 02-May-2025

Time: Three Hours

Max. Marks: 75 Marks

PHARMACEUTICS – I

Q.P. CODE: 5003

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

All the questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Define and classify various dosage forms with suitable examples. Discuss any two liquid dosage forms used internally and externally

OR

Define and classify suspension. Differentiate flocculated and deflocculated of suspension

2. Define Posology. Explain the factors affecting dose of drug

SHORT ESSAYS

7 x 5 = 35 Marks

3. Define prescription. Write a note on handling of prescription

OR

With example explain any two techniques used to enhance solubility during preparation of liquid dosage form

4. Define emulsion. Enlist various methods of preparation of emulsion. Explain wet gum method in detail

OR

Define and differentiate Gargle and mouthwashes with example

5. Define suppositories. Explain cocoa butter as suppository base.
6. Define and classify dusting powder. Name the container used to dispense the same along with labeling criteria.
7. Write a note on stabilizers used in liquid dosage form with examples.
8. Define syrup. Add a note on formulation aspects of syrups.
9. Define and classify incompatibility. Explain the chemical incompatibility with examples.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Define isotonic and paratonic solution.
11. Name any four solvents used in the preparation of liquid dosage forms.
12. How it is possible to avoid explosion during preparation of explosive powder?
13. How do you prepare 45% alcohol from 70% alcohol?
14. Define liquefaction. How do you overcome it?
15. Define ointment and cream.
16. Write the primary emulsion formula for fixed oils and mineral oils.
17. Define pharmacopoeia. Enlist various editions of I P published.
18. How many liters of 8% solution can be prepared from 500gm of a solid?
19. Give four examples of preservative.
