Rajiv Gandhi University of Health Sciences, Karnataka
First Semester B.Pharm Degree Examination – 13-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 incompatibility. Explain the physical and therapeutic incompatibility with one example each

    OR

    Define Posology. Explain various factors affecting selection of dose of a drug

2. a) Define liquid dosage form. Give four advantages.
    b) Discuss excipients used in formulation of liquid dosage forms

SHORT ESSAYS **7 x 5 = 35 Marks**

3. Define and classify suspension. Write the ideal qualities of a good suspension

    OR

    Explain the various methods used for the preparations of suppositories

4. Give four formulae to calculate child and infant dose

    OR

    Define and classify dusting powders. Write a note on preparation of dusting powder

5. Explain about sources of errors in prescription.

6. What are the various instabilities of emulsion? Discuss regarding reasons and measures to overcome cracking of emulsion.

7. Define ointments. Explain any one method of preparation.

8. Classify and define various solid dosage forms with examples.

9. Define and classify emulsion. Write a note on miscibility test and dye solubility test.

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

10. **Define displacement value?**

11. Name any two suspending and emulsifying agents.

12. Define pharmacopoeia. Enlist commonly used pharmacopoeias in various countries.

13. **What are effervescent granules?**

14. How much grams of dextrose is required to prepare 900ml of 10% w/v solution?

15. Define a) Inscription b) Subscription.

16. Write any four qualities of an ideal suppository base.

17. Define simple and compound powders with suitable example.

18. **Mention the methods of mixing of powders.**

19. List two solubility enhancement techniques.

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