

# Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B.Pharm Degree Examination – 07-Jun-2024

**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 Posology. Explain the factors to be considered in dose selection.

**OR**

Define and classify emulsions. Write various identification tests for emulsions.

2. Define and classify incompatibilities. Explain the physical incompatibility with examples.

#### **SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Describe different parts of a prescription.

**OR**

Explain dusting powders with examples.

4. Explain the advantages and disadvantages of monophasic liquid dosage forms.

**OR**

Explain the method of preparation of suspensions containing indiffusible solids.

5. Define suppositories. Explain the various suppository bases.

6. Define semisolid dosage forms. Give their ideal properties.

7. Differentiate mouth wash and gargles.

8. Define displacement value. Calculate the amount of suppository base required to prepare six suppositories each containing 20% of boric acid. (Mould capacity-1g, Displacement value-1.5).

9. Explain with examples any two solubility enhancement techniques

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Define Pharmacopoeia. Enlist various Indian pharmacopoeia

11. Define pharmaceutical stabilizers. Give examples.

12. How do you prepare 500 ml of 50% alcohol from 90% alcohol?

13. What are hypertonic and hypotonic solutions?

14. Name any two flocculating and deflocculating agents.

15. Write the primary emulsions formulae for fixed oils and volatile oils.

16. What is meant by Massappol?

17. Define throat paint. Give example.

18. Define hygroscopic powders. Give examples.

19. Write any four ointment bases.

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