

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – 02-Jun-2023

**Time: Three Hours**

**Max. Marks: 75**

### **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 prescription. Explain parts of prescription with an example. Explain the handling of prescription.

**OR**

Define incompatibility. Classify with examples. Explain the physical and chemical incompatibility with examples

2. Define and classify suspension. Differentiate flocculated and deflocculated suspension. Explain Stoke's law and its importance

#### **SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Explain salient features of first edition of IP.

**OR**

Define dosage form and classify with examples

4. Give two formulae to calculate child dose. Calculate child dose using young's formula, if the child age is 4 years and adult dose is 100 mg

**OR**

Define suppositories. Write the ideal properties of suppository bases. Enlist suppository bases with examples

5. Explain simple and compound powders with example
6. Differentiate elixirs and syrups
7. List out methods of increasing solubility, explain any two methods
8. Explain identification tests for emulsions
9. Define ointment. Explain any two methods used for the preparation of ointment

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Define Emulgents. Give any four examples
11. Name any four monophasic dosage forms used internally
12. Define Synergism and antagonism
13. How many parts of 15%, 10% and 5% alcohols are mixed to prepare 8% alcohol solve by allegation method
14. Define eutectic powders. Give examples
15. Name any two antioxidants and preservatives used in monophasic liquid dosage forms
16. Mention various evaluation test for semisolid dosage form
17. Write the primary emulsion formula for fixed oils and volatile oils
18. Define displacement value. Explain its importance
19. Name the excipients used in formulation of semi-solid dosage forms