

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – 07-Nov-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 and classify emulsion. Explain various identification tests for emulsion

**OR**

Give the different types of suppository bases. List out various qualities of an ideal suppository base. Explain any two types of bases used for the preparation of suppositories

2. Define prescription. Explain the various parts of prescription with a suitable examples

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

3. Explain significance of profession of pharmacy in relation to education and industry

**OR**

Classify dosage forms with examples

4. Explain geometric dilution of powders with a suitable examples

**OR**

Give one formulae each to calculate child dose based on age, body weight and surface area

5. Explain dusting powder with an example
6. Write a note on stabilizers used in liquid dosage form
7. Differentiate lotions and liniments
8. Differentiate flocculated and deflocculated suspension
9. Define ointment. Explain any two methods used for the preparation of ointment

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

10. Write any four salient features of first edition of Indian Pharmacopoeia
11. Name any four monophasic dosage forms used externally
12. Classify powders with examples
13. How do you prepare of 50% alcohol from 80% alcohol and 30% alcohol by allegation method
14. Define displacement value, give its significance
15. Write any two examples for colouring agents and flavouring agents used in monophasic dosage forms
16. Define elixirs and syrups with examples
17. Write the primary emulsion formula for fixed oils and volatile oils
18. Name two lubricants used for lubrication of suppository moulds
19. Define isotonic and paratonic solutions

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