

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – 28-Oct-2024

**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 dosage form. Classify various dosage forms with examples  
**OR**  
Define Suspension. Write its advantages, disadvantages and classification of suspensions. Differentiate flocculated and deflocculated suspension
2. Define suppositories. Classify them. Explain the different methods of preparation of the same

#### **SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Define Prescription. Give the importance of all the parts of a prescription  
**OR**  
What are the different methods of mixing powders
4. Discuss briefly solubility enhancement techniques  
**OR**  
Differentiate lotions and liniments with examples
5. Explain the stability problems involved with emulsion and methods to overcome
6. Define allegation method. In what proportion 30%, 12% and 5% cetrimide solutions to be mixed to get 6% cetrimide solutions
7. Define ointments. Write the bases used in ointments
8. Explain any eight factors affecting handling of prescription
9. Explain any eight factors affecting dose selection

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Convert the following strengths of alcohol into proof spirit  
a) 89.12%    b) 53.4%
11. What are effervescent granules?
12. Define Insufflations
13. What are isotonic solutions?
14. Define preservatives. Give any two examples
15. What are enemas?
16. What are Eutectic mixtures?
17. Give any four examples of emulgents
18. Define displacement value with examples
19. Write any four excipients used in the preparation of gels

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