

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**First Semester B.Pharm Degree Examination – 17/Oct/2025**

**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 Posology. Enumerate different factors affecting the selection of the dose of a drug  
**OR**  
Define and classify emulsion. Write the various identification tests for emulsion type
2. Define incompatibility. Explain the physical incompatibility with examples

**SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Significance of the profession of pharmacy in relation to education and industry  
**OR**  
Write the dispensing of hygroscopic and deliquescent powders
4. Write about the organoleptic additives used in monophasic liquid dosage forms with examples  
**OR**  
Differentiate flocculated and deflocculated suspension
5. Differentiate between elixirs and syrups
6. Evaluation of suppositories
7. Explain any two methods for enhancement of solubility
8. Write a note on Pastes
9. Therapeutic incompatibility

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Write any four errors in prescription
11. What are liniments? Give examples
12. Dusting powders
13. Define throat paint with examples
14. What are hypertonic and hypotonic solutions?
15. Define mouthwashes and gargles
16. Phase inversion
17. Displacement value
18. What are proof spirits?
19. Enlist the methods of mixing powders

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