



P. RAMI REDDY MEMORIAL COLLEGE OF PHARMACY

(AUTONOMOUS)

Awarding University: JNTU Anantapur, Anantapuramu. Approved by PCI, New Delhi & Govt. of A.P.

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Code: 25BP103T

R25

B.Pharm I Year I Semester (R25) Regular Examinations March 2026

PHARMACEUTICS – I

(B.Pharmacy)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- | | | | |
|--|--------|----|----|
| (a) Define Posology. | C113.1 | I | 2M |
| (b) Write Young's and Dilling's formula to calculate child dose. | C113.1 | I | 2M |
| (c) Define simple and compound powders. | C113.2 | I | 2M |
| (d) What is the importance of allegation method? | C113.2 | I | 2M |
| (e) Write the differences between gargles, mouthwashes and throat paints. | C113.3 | I | 2M |
| (f) Define emulsion and suspension. | C113.3 | I | 2M |
| (g) Define suppositories and write the different bases used in preparation of suppositories. | C113.4 | I | 2M |
| (h) Write an example of physical incompatibility. | C113.4 | I | 2M |
| (i) Write the differences between creams and gels. | C113.5 | I | 2M |
| (j) Classify semi-solid dosage forms with example. | C113.5 | II | 2M |

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

- 2 (a) Describe about errors in Prescription with examples. C113.1 II 6M
(b) What are the salient features of IP? C113.1 I 4M
- OR**
- 3 Explain in detail factors affecting posology. C113.1 II 10M
- 4 Write in detail about hygroscopic powders, efflorescent and effervescent powders. C113.2 I 10M
- OR**
- 5 Explain in detail about solubility enhancement techniques. C113.2 II 10M
- 6 Write about stability problems in suspensions and write the methods to overcome it. C113.3 I 10M
- OR**
- 7 Classify emulsifying agents with examples. Write the preparation methods of Emulsions. C113.3 II 10M

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8 Write the advantages and disadvantages of suppositories. Discuss various types of bases used in suppositories. C113.4 I 10M

OR

9 Explain in detail about chemical incompatibility with suitable examples. C113.4 II 10M

10 Define ointment. Add a note on ideal properties of ointment, and discuss various methods of preparation of ointment. C113.5 II 10M

OR

11 Define Semi solids. Explain various evaluations of semi-solid dosage forms. C113.5 II 10M
