

Rajiv Gandhi University of Health Sciences, Karnataka
First Semester B.Pharm Degree Examination – 21-Nov-2022

Time: Three Hours

Max. Marks: 75 Marks

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 emulsions. What are the various instabilities of emulsion? Discuss them with their cause and precautions to avoid them.

OR

Define prescription. With the help of an ideal example describe the importance of all parts of a prescription

2. Define suppository. Explain preparation of cocoa butter suppository.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Define Posology. Enlist different factors affecting selection of dose of a drug. Explain any three factors affecting selection of dose of a drug

OR

Write the principle and dispensing involved in the preparation of effervescent powder

4. Explain in brief about organoleptic additives used in liquid dosage forms with suitable examples

OR

Define and classify suspensions. Give the advantages and disadvantages of suspension as a dosage form

5. Explain the various evaluation tests for suppositories.
6. Define and differentiate between lotions and liniments. Add a note on their formulation aspects.
7. Define ointment. Describe any one method of preparation of ointment.
8. Define and classify incompatibility. Explain the physical incompatibility with examples.
9. Explain various identification tests for types of emulsion.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Define the terms "hypertonic" and "hypotonic" solution.
11. In what ratio 85% alcohol and 35% alcohol to be mixed to give 60% alcohol?
12. Mention the disadvantages of glycerine bases.
13. List out any two solubility enhancement techniques.
14. Write any four salient features of latest edition of Indian Pharmacopoeia.
15. Write the four qualities of an ideal suppository base.
16. How do you dispense a powder containing eutectic substances?
17. Define a) Idiosyncrasy b) Tachyphylaxis.
18. Name any four flocculating agents used in preparation of suspension.
19. Define proof spirit and isotonic solution.
