

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B.Pharm Degree Examination – MAY-2018

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define Posology. List out the factors to be considered in dose selection. Give any three formulae to calculate the child dose. (1+3+6)
2. Define and classify suspensions. Write its advantages and disadvantages. Differentiate flocculated and deflocculated suspensions. (1+3+2+4)
3. Define and classify incompatibilities. Explain the chemical incompatibility with examples. (1+3+6).

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Explain handling of prescription.
5. Explain the preparation of eutectic powders.
6. Explain in detail the different vehicles used in monophasic liquid dosage forms. Give their advantages and disadvantages.
7. Differentiate elixirs and syrups.
8. Define suppositories. Explain cold compression method.
9. Explain the various evaluation tests for ointments.
10. Describe creaming of emulsions.
11. Explain various evaluation tests for suppositories.
12. Explain the mechanisms involved in the penetration of drug through skin.

SHORT ANSWERS

10 x 2 = 20 Marks

13. List out the various editions of Indian Pharmacopoeia in chronological order.
14. Define the terms proof spirit and isotonicity.
15. What are anti oxidants? Give examples.
16. In what ration 90% and 40% alcohol to be mixed to give 60% alcohol?
17. Define emulsifying agents with examples.
18. What should be the HLB values of emulsifying agents for O/W emulsion?
19. Name two lubricants used in suppository moulds.
20. Define phase volume ratio.
21. Enlist the methods of mixing of powders.
22. Define ointments and creams.
