

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B. Pharm Degree Examination – 17-Nov-2022

Time: Three Hours**Max. Marks: 70 Marks****PHARMACEUTICS (RS4)****Q.P. CODE: 2626**

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

SHORT ESSAYS (Answer any Six)**6 x 5 = 30 Marks**

4. Define ointment. Describe different bases used for preparation of ointment.
5. With a neat labeled diagram explain soxhlet extraction process.
6. Explain the different steps involved in the manufacturing of surgical catgut.
7. Classify monophasic liquid dosage forms with examples.
8. Define and classify powders based on official grades of powders.
9. Write the differences between ointment and cream.
10. Explain the various evaluation tests for ointments.
11. Differentiate between infusion and decoction.

SHORT ANSWERS**10 x 2 = 20 Marks**

12. Write any four salient features of first edition of Indian Pharmacopoeia.
13. Calculate the actual strength of 25° O.P. (over proof).
14. How much of potassium permanganate would be required to prepare 50 ml of potassium permanganate solution of 2.8% w/v strength?
15. Write any two examples for colouring agents and flavouring agents used in monophasic dosage forms.
16. Define surfactants with examples.
17. Write the labelling requirements of radiopharmaceuticals.
18. Write the two differences between simple and modified maceration.
19. How do you dispense potent powders?
20. Give the storage conditions of absorbent cotton
21. Define displacement value.
