

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B. Pharm Degree Examination – 24-Oct-2024

Time: Three Hours**Max. Marks: 70****PHARMACEUTICS (RS-4)****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 suspension. Explain the suspension containing indiffusible solids with suitable example
2. Define Posology. Describe the various factors affect the dose selection of a drug
3. What are suppositories and pessaries? Explain how the suppositories are prepared by moulding method

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

4. Define Pharmacopoeia. List out the different editions of Indian Pharmacopoeia in chronological order
5. Define prescription and explain the handling of prescription
6. Enumerate the various emulsifying agents with their advantages and disadvantages
7. What are effervescent granules and explain the preparation effervescent granules by heat method
8. What is maceration? Explain the maceration process for unorganized drugs
9. Define surgical sutures and ligatures. Explain the manufacturing process of official surgical catgut
10. What is Infusion? Explain the infusion process in brief
11. How do you prepare 400 ml of 50% alcohol from 80%, 60%, 40% and 20% alcohol?

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

12. Convert 70% v/v and 40% v/v alcohol into proof strength
13. What is herapathite reaction? Explain
14. Give two examples of colouring agents and flavouring agents
15. What are wetting agents? Give examples
16. Write the primary emulsion formula for fixed and mineral oil
17. write the formula to calculate the menstrum in double maceration process
18. Write the differences between syrups and elixirs
19. What are eutectic powders? Explain
20. Write the difference between absorbable and non-absorbable catgut
21. Write the therapeutic applications of radiopharmaceuticals
