

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – 24-Oct-2024

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICS (RS & RS2)

Q.P. CODE: 2852

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 prescription. Describe the importance of all the parts of a prescription with the help of an ideal example of prescription.
2. Explain the preparation of suspension containing diffusible and indiffusible solids with suitable example.
3. Define the terms menstrum and marc. Explain the steps involved in simple percolation process with the help of neat labelled diagram.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the development of Pharmaceutical industries in India.
5. Explain the preparation of simple and compound powders with examples.
6. Define and classify monophasic liquid dosage forms with examples.
7. Define maceration. Enumerate the formula for menstrum used in double and triple maceration process.
8. Calculate the amount of cocoa butter required to prepare six boric acid suppositories. Weight of boric acid is 120mg and displacement value is 1.5. weight of each suppository is 1gm.
9. Define the term Isotonic, hypertonic, hypotonic, paratonic solutions and proof spirit.
10. Explain the different methods of sterilization of surgical catgut. Add a note on sterility test.
11. Explain physical incompatibility with suitable examples.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Enlist various Pharmacopoeias.
13. Define and classify dusting powder.
14. Define and classify enema, give examples.
15. Write the differences between gargle and mouth wash.
16. Write the primary emulsion formula for fixed and mineral oils.
17. Write any two advantages and disadvantages of suppositories.
18. Define and classify emulsion.
19. Calculate the ratio of 90% and 30% alcohol required to prepare 60% alcohol by allegation method.
20. Calculate the child dose for 4 years old child using young's rule where the given adult dose is 100mg.
21. What is herapathite reaction, explain.
