

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – 17-Mar-2021

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 dosage form. Classify various types of dosage forms with examples.
2. Define suspension. Write the advantages and disadvantages of suspension. Explain the suspension containing in-diffusible solids with one example.
3. Explain the various instability problems of emulsions and what precautions should be taken to avoid problems.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Define Posology. Explain different formulas to calculate child and infant dose.
5. Define powders. What are the advantages and disadvantages of powders?
6. Differentiate between lotions and liniments with examples.
7. Discuss the advantages and disadvantages of cocoa butter as suppository base.
8. Define Maceration. Write the process of maceration for organized drugs.
9. What are surgical sutures and ligatures? Give their ideal characteristics.
10. Define incompatibility. Explain the following physical incompatibilities problems and how to overcome. I) Insolubility II) Liquefaction
11. How much of a 3% ointment must be added to 50 gram of a 15% ointment to make 10% ointment?

10 x 2 = 20 Marks

SHORT ANSWERS

12. What is National Formulary of India and mention its contents.
13. Define jellies with examples.
14. How much of potassium permanganate would be required to prepare 50 ml of potassium permanganate solution of 2.8% w/v strength?
15. Define proof spirit. Convert 90% v/v alcohol into proof strength.
16. What are isotonic solutions give their importance?
17. What is geometric dilution in powder formulation?
18. Differentiate boilable and non-boilable catgut.
19. What is herapathite reaction?
20. Define unit and bulk dosage forms with examples.
21. Expand the terms USP, NF, BPC, BNF.
