

Rajiv Gandhi University of Health Sciences, Karnataka

I year B. Pharm Degree Examination – 06-Jan-2020

Time: Three Hours**Max. Marks: 70 Marks****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 and classify suspension. Differentiate flocculated and deflocculated suspension.
2. Explain the factors affecting dose selection. Give any two formulae to calculate children dose.
3. Define prescription with the help of an ideal example. Describe the importance of all the parts of a prescription.

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

4. Define gels. Classify gelling agents with examples.
5. Define preservatives. Classify with examples.
6. Explain the various evaluation tests for ointment.
7. Write the process of maceration for organized and unorganized drugs.
8. Discuss the different methods of mixing of powders.
9. Explain the different steps involved in the manufacturing of surgical catgut.
10. Explain the various evaluation tests for suppositories.
11. What is continuous hot percolation process? Write its advantages and disadvantages.

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

12. Enlist various Pharmacopoeias.
13. Give the metric equivalents for the following: (a) one cup, (b) one pound, (c) one drop, (d) one wine glassful.
14. How many parts of 15%, 10% and 5% alcohols are mixed to prepare 8% alcohol?
15. Define and classify dusting powders.
16. Name any four solvents used in the preparation of monophasic liquid dosage forms.
17. What is POP? Give its applications.
18. Define and classify suppositories.
19. Enlist various identification tests for emulsion.
20. Define infusion and decoction.
21. Write any four therapeutic applications of radiopharmaceuticals.
