



# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year Pharm-D Examination – NOVEMBER 2015

**Time: Three Hours****Max. Marks: 70 Marks**

### PHARMACEUTICS

### 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. Discuss various stages involved in manufacturing of surgical catgut.
2. Define and classify pharmaceutical incompatibility. Write a note on Physical incompatibility with examples.
3. Define Dosage form. Classify and define the various dosage forms with examples.

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

4. Describe different tests for detecting the type of emulsion.
5. What are advantages and disadvantages of cocoa butter as suppository base?
6. Differentiate between simple and modified maceration process.
7. Write a short note on surgical dressings.
8. Write the principle involved in the preparation of Aqueous Iodine solution IP.
9. Calculate the dose for a (i) 9 months old infant, (ii) a child of 8 years age when the adult dose of drug is 500mg.
10. Name the various factors which influence the selection of dose of a drug and explain any four of them.
11. Define displacement value. How do you calculate the displacement value for a unknown drug.

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

12. Write the difference between suspension and emulsion.
13. Give two examples of coloring and flavoring agents.
14. What is synergism and Antagonism?
15. Define insufflations.
16. Write the primary emulsion formulae for fixed oil and mineral oil.
17. Why is glycerin used as a base in throat paint?
18. Give four examples of emulsifying agent.
19. Write the synonym of the following. (i) Cresol with soap solution (ii) Magnesium hydroxide mixture BP.
20. Define extraction.
21. Define the term pessaries.

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