



# Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – NOV 2017

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 and classify suspension. Differentiate flocculated and deflocculated suspension.
2. Define Maceration. Write the process of maceration for organized and unorganized drugs.
3. Define suppositories. Explain various types of suppository bases.

### SHORT ESSAYS (Answer any Six)

**6 x 5 = 30 Marks**

4. Define and classify liquid dosage forms.
5. Define prescription. Explain the handling of prescription.
6. With suitable example explain the formulation of tooth powder.
7. Explain the theoretical aspects of formulation including adjuvant like stabilizers, colorants, flavours with examples.
8. What is absorbent cotton? Write its advantages and disadvantages.
9. Define incompatibility. Explain how to overcome chemical incompatibility with examples.
10. Explain stability of emulsion.
11. Explain the preparation of effervescent powder.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Define doses and dosages.
13. Mention the contributions of Galen in pharmacy.
14. Write any four salient features of fourth edition of Indian Pharmacopoeia.
15. Calculate the percentage of sodium chloride required to render a solution of 0.5 percent boric acid isotonic with blood plasma. ( $E_{NaCl}$  of 0.5 percent boric acid solution is 0.3).
16. Write any two advantages and disadvantages of powders.
17. Define enemas with examples.
18. Give the auxiliary label for gargles and liniments.
19. Classify emulsifying agents.
20. How many milligrams of aluminium acetate are required to prepare 500 mL of a 0.03% w/v solution?
21. Define the physical incompatibility with examples.

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