

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – May 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 emulsion. Write the advantages and disadvantages of emulsion. Classify emulsifying agents.
2. Define extraction. With a neat labelled diagram explain the simple percolation process for extraction of drugs.
3. Define suppositories. Describe the various methods used for the preparation of suppositories.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Define dosage forms. Write the classification table for the various types of dosage forms.
5. Define prescription. Explain the parts of prescription.
6. Explain the preparation of effervescent powder.
7. Define and classify monophasic liquid dosage forms.
8. Explain the standardization of surgical catgut.
9. Define incompatibility. Explain how to overcome physical incompatibility with examples.
10. Define posology. Enumerate four factors affecting selection of dose of a drug.
11. What is absorbable gelatine sponge? Write its advantages and disadvantages.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What is Young's rule?
13. Write any four contributions of Italians in development of pharmacy?
14. Write the difference between Pharmacopoeia and Formulary.
15. Calculate the percentage of sodium chloride required to render a procaine HCl iso-osmotic with blood plasma. (1% w/v solution of procaine HCl has a freezing- point of 0.122°C and 1% w/v sodium chloride has a freezing- point of 0.576°C)
16. Define tooth powder with example.
17. Give the auxillary label for gargles and liniments.
18. Name any two colouring and flavouring agent used in monophasic liquid dosage forms.
19. Name any two flocculating and deflocculating agents.
20. If 3 tablets contain 975 mg of aspirin, how many milligrams should be contained in 12 tablets?
21. Define the therapeutic incompatibility with examples.
