

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Pharm Degree Examination – Sep 2012

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

PHARMACEUTICS (THEORY) (Revised Scheme 3)

Q.P. CODE: 2602

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. Explain in detail the manufacturing process of surgical catgut. Differentiate between absorbable and non-absorbable sutures
2. Define 'incompatibility'. Explain in detail the different types of 'therapeutic incompatibility'
3. Define 'suspensions'. What are their advantages? Write the principle and procedure involved in the preparation of 'Magnesium Hydroxide Mixture B.P.'

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

4. Define maceration. Explain double and triple maceration processes
5. Explain the cold compression method for preparation of suppositories with a diagram
6. Give any four tests for identification of the type of emulsion
7. Discuss with suitable example the formulation of tooth powders
8. Explain the steps involved in the handling of prescriptions
9. Differentiate between syrups and elixirs
10. Explain the preparation of Simple Syrup I.P. giving the principle and procedure
11. Define pharmacopoeia. Write the salient features of the second edition of the Indian Pharmacopoeia

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

12. Define the terms 'suppositories' and 'pessaries'
13. Write a brief note 'sand bath' and 'glycerin bath'
14. Define effervescent granules
15. Name any four colorants used in the formulation of monophasic dosage forms
16. Give the importance of calibration of a suppository mould
17. Write four factors that affect dose selection
18. Define elixirs. Give two examples of official elixirs
19. Write the formula for calculation of child dose based on body surface area
20. Give the auxiliary labels for enemas and nasal drops
21. Write the Stokes law for rate of creaming of emulsions