

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fifth Semester B. Pharm Degree Examination – 04-Jan-2020

**Time: Three Hours****Max. Marks: 75 Marks****INDUSTRIAL PHARMACY - I****Q.P. CODE: 5019**

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. Describe the different granulation techniques used to manufacture tablets.
2. Explain the nature of the hard gelatin capsule shell and filling of hard gelatin capsules.
3. Describe in detail the formulation of parenterals.

**SHORT ESSAYS (Answer any Seven)****7 x 5 = 35 Marks**

4. Write the applications of Preformulation consideration in the development of solid dosage form.
5. Describe the ingredients required for film coating process.
6. Draw a neat labelled diagram of Rotary die process.
7. Write about BCS classification system with its significance.
8. Explain the formulation of eye ointments.
9. Explain significance of solubility in formulating liquid orals.
10. Explain the formulation and preparation of Vanishing cream.
11. Define aerosols write their advantages and disadvantages.
12. Write a note on legal and official requirements for containers.

**SHORT ANSWERS (Answer All)****10 x 2 = 20 Marks**

13. Write the significance of partition co-efficient.
14. Write the effect of surface area and particle size on solubility.
15. Write on disintegrants used in tablets preparation with examples.
16. Write different sizes of hard gelatin capsules.
17. Write on finishing of hard gelatin capsules.
18. Classify anti oxidants used in parenterals.
19. Name the principles used in long acting parenterals.
20. Write a typical formula of Shampoo.
21. Name the different materials used to construct pharmaceutical containers.
22. Write a typical label for an eye drop.

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