

Rajiv Gandhi University of Health Sciences, Karnataka

Fifth Semester B. Pharm Degree Examination – 30-May-2024

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.

All the Questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Explain in detail the wet granulation technique. Name the equipments employed for each stage of wet granulation.

OR

- Describe briefly the formulation requirements for manufacture of parenterals.

2. Explain the construction and working of a rotary die machine used in manufacture of soft gelatin capsule.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Explain any two physicochemical properties of drug substances which affect drug absorption.

OR

Emphasize on co-solvency in solubility of liquid orals.

4. Describe the formulation of shampoo.

OR

Write about glass containers used in sterile preparation.

5. Write short note on polymorphism and Pseudo polymorphism.
6. Explain the formulation of vanishing cream.
7. Write the composition of hard gelatin and soft gelatin capsules.
8. Write in detail about defects in tablet formulation.
9. Explain the different parts of aerosol valve system.

SHORT ANSWERS

10 x 2 = 20 Marks

10. BCS of drugs.
11. Particle size influencing absorption.
12. Clarity test for parenterals.
13. List the methods of filling of oral liquids.
14. Formulation of lipsticks.
15. Name any four propellants used in aerosol.
16. Define base adsorption and minim/gram factor.
17. Classify vehicles used in parenterals.
18. Sizes of hard gelatin capsules.
19. Ideal requirements of eye ointments.
