

Rajiv Gandhi University of Health Sciences, Karnataka

Fifth Semester B. Pharm Degree Examination – 12-Nov-2021

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. Describe dry granulation techniques and list advantages and disadvantages.

OR

Define capsules. Write on manufacturing of hard gelatin capsule shell. Explain the quality control tests for capsule.

2. Explain the excipients used in the manufacture of parenterals with suitable examples.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Explain the various physicochemical properties of drug substances which affect drug absorption.

OR

BCS classification of drugs and its significance.

4. Define syrup? Note on formulation of syrup?

OR

Explain the filling of liquid orals.

5. Explain in detail extraction of gelatin.
6. Explain the formulation of eye ointments.
7. Explain the formulation and preparation of Cold cream.
8. Define aerosols. Write the evaluation of aerosols.
9. Write a note on QC tests for packaging materials.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Define Partition coefficient.
11. Objectives of Preformulation studies.
12. Enumerate QC tests for tablets.
13. Differentiate between hard gelatin and soft gelatin capsules.
14. Define base adsorption and minim/gram factor.
15. Ideal requirements of parenterals.
16. Define isotonicity.
17. Sealing of ampoules.
18. Name the factors influencing choice of pharmaceutical containers.
19. Write the formula for vanishing cream.
