

Rajiv Gandhi University of Health Sciences, Karnataka

Fifth Semester B. Pharm Degree Examination – 28-Apr-2025

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 in detail the reasons and remedies for manufacturing defects of tablets.

OR

What is the composition of soft gelatin capsule and explain its manufacturing by rotary die process.

2. Describe plastic as a packaging material for parenterals and write a note on isotonicity.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write the significance of flow property in development of tablets.

OR

Describe the defects of film coating process.

4. Explain the various quality control tests for hard gelatin capsule.

OR

Write the *In-vivo* and *In-vitro* method of pyrogen testing.

5. Name the various physicochemical properties of drugs. Explain any two of them.

6. Explain methods of filling liquid orals.

7. Explain the formulation and preparation of vanishing cream.

8. Define aerosols. Write the propellants used in preparation of aerosols.

9. Enumerate the requirements of pharmaceutical containers.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write the objectives of preformulation studies.

11. Write on preservatives used in liquid orals.

12. Define aseptic area. Add a note on class-100 aseptic area.

13. What do you mean by bloom strength?

14. Write different sizes of hard gelatin capsules.

15. Write on leakage test for parenterals.

16. Give two advantages and disadvantages of parenterals.

17. Write a typical formula of liquid shampoo.

18. Name the types of glass used to construct pharmaceutical containers.

19. Differentiate between crystalline and amorphous powder.
