

Rajiv Gandhi University of Health Sciences, Karnataka
Fifth Semester B. Pharm Degree Examination – 31-May-2023

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. Define tablet coating. Explain in detail the process of sugar coating of tablets.

OR

Explain in detail the extraction of gelatin and different steps involved in the production of empty hard gelatin capsule shell.

2. What are pyrogens? Explain the method to determine the presence of pyrogens in parenteral products using animals.

7 x 5 = 35 Marks

SHORT ESSAYS

3. Define the term preformulation, and explain the parameters to be considered in preformulation studies.

OR

What are various defects in tablets and how they may be rectified?

4. Enlist the techniques of pelletization. Explain advantages of pellets over conventional dosage forms.

OR

Explain the formulation of small volume parenterals.

5. Explain the various parts of aerosol valve system with diagram?

6. Discuss the formulation of tooth paste.

7. Explain the factors to be considered while selection of pharmaceutical packaging materials.

8. Write a note on polymorphism. Give examples of polymorphic drugs.

9. Explain the formulation of liquid oral.

10 x 2 = 20 Marks

SHORT ANSWERS

10. Formulation of cold cream.

11. What are hydrates and solvates? Give examples for each of them.

12. Give four examples of artificial sweeteners.

13. Mention the different QC test for aerosols.

14. Name any four plasticizers used in capsules.

15. What are the different methods of sealing of ampoules?

16. Name the methods of adjustment of isotonicity.

17. Name sterilization methods for eye ointment.

18. Define and classify cosmetics.

19. Classify the propellants with suitable examples.