

QP CODE: 307008

Reg. No.....

**Third B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
March 2023**

Industrial Pharmacy I

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*

Essays:

(2x10=20)

1. Explain in detail about the in-process quality control of tablets.
2. Discuss about the clear gel manufacturing procedure.

Short notes:

(10x5=50)

3. Explain the special care and problems in the manufacturing of powders.
4. Discuss about the different types of tablets with example.
5. Explain the coating process.
6. Describe the stability testing and storage of capsule dosage form.
7. Classify the types of additives used in the liquid dosage form with example.
8. Predict the mechanisms of drug penetration in semisolid dosage form.
9. Explain infusion. Give a detailed methodology for the preparation of an infusion.
10. Give a general formulation process and procedure for the pharmaceutical aerosols.
11. How microcapsules are coated in coating pan and explain.
12. Explain the packaging and evaluation of clear liquids.

Answer briefly:

(10x3=30)

13. Enlist the limitations of powders.
14. Differentiate diffusible and in-diffusible solids.
15. Outline the importance of disintegration test in tablets.
16. Classification of capsules based on its size.
17. Explain suspending agent and mention its importance.
18. Define the terms ointment, cream and gel.
19. Explain extraction and mention its application.
20. List out the components of aerosol bottle valve assembly.
21. What are the various factors affects the encapsulation by air suspension technique.
22. Explain preservative and mention two examples.
