

QP CODE: 307008

Reg. No.....

**Third B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
March 2024**

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 various quality control tests of tablets and explain in detail.
2. Describe the formulation, filling and finishing techniques of hard gelatin capsules.

Short notes:

(10x5=50)

3. Write a note on granulation techniques. Explain wet granulation.
4. Write a note on evaluation of liquid orals.
5. Define and explain Microencapsulation.
6. Define coating. Explain sugar coating of tablets. Write its advantages and disadvantages.
7. Discuss the formulation problems in the development of oral liquid dosage forms.
8. Write a note on manufacturing of soft gelatin capsules by rotary die process
9. Classification of Powders.
10. Evaluation of Semisolid dosage forms.
11. Explain the importance of base adsorption and minim/ gram factor in the preparation of soft gelatin capsules.
12. Discuss about filling of pharmaceutical aerosols.

Answer briefly:

(10x3=30)

13. Preservative used in pharmaceutical formulations.
14. Differentiate between hard gelatin and soft gelatin capsules.
15. Define antioxidants and buffers with examples.
16. Differentiate between cream and gel.
17. Enlist the limitation of powders.
18. List out the stability studies of aerosols.
19. Vehicles used in liquid dosage forms.
20. Differentiate between emulsion and suspension.
21. Define diluents and mention two examples.
22. Write the various factors affects the encapsulation by air suspension technique.
