

QP CODE: 307008

Reg. No.....

**Third B. Pharm (Ayurveda) Degree Supplementary Examinations
August 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 manufacturing defects in uncoated tablets with their reasons and remedies.
2. Define capsules. Discuss about quality control testing for hard gelatin capsules.

Short notes:

(10x5=50)

3. Write the different granulation techniques. Explain dry granulation.
4. Mechanism of Drug penetration of semisolid dosage forms.
5. Define coating. Explain sugar coating of tablets. Write its advantages and disadvantages.
6. Write a note on formulation problems in the development of oral liquid dosage forms.
7. Explain manufacturing of soft gelatin capsules by rotary die process.
8. Propellants used in Aerosols.
9. Special care and problems in manufacturing of powders.
10. How microcapsules are coated in coating pan and explain.
11. Discuss about the different types of tablets with examples.
12. Explain the packaging and evaluation of clear liquids.

Answer briefly:

(10x3=30)

13. Stability of emulsion.
14. Limitations of powders.
15. Components of rotary tablet punching machine.
16. Enlist various excipients used in capsule shell.
17. What is bloom strength.
18. Suspending Agents used in suspension.
19. Types of emulsion.
20. Galenical products.
21. Pharmaceutical applications of Aerosols.
22. Preservative used in pharmaceutical formulations.
