

**QP CODE: 307008**

**Reg. No.....**

**Third B.Pharm (Ayurveda) Degree Supplementary Examinations  
November 2021**

**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. Discuss manufacturing procedures and evaluation parameters for suspension.
2. Define aerosols. Explain their container system.

**Short notes:**

**(10x5=50)**

3. Explain mixtures containing in diffusible solids.
4. Evaluation method for semisolid preparation.
5. Explain advantages of emulsion.
6. Different types of ointment bases.
7. Mention the advantages and disadvantages of tablets.
8. Explain hard gelatin capsules.
9. Describe the air suspension method for microencapsulation.
10. Explain principle and method of extraction.
11. Define preservative. How they are used in pharmaceutical formulations.
12. What are the problems encountered while preparing powder formulations.

**Answer briefly:**

**(10x3=30)**

13. Define core material and coating material.
14. Why friability test is required for tablets.
15. Explain diluents and glidants.
16. Enumerate types of tablet coating and size of capsules.
17. Define granules. Give any four examples of granules.
18. Define diffusible solids with suitable examples.
19. Advantages of packaging for different kind of formulations.
20. What are the semisolid bases and how they can use in industry.
21. Importance of binders and disintegrating agents in tablet.
22. Uses of stabilizers and emulsifying agents in emulsion.

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