

**QP CODE: 307008**

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

**Third B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations  
April 2022**

**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 problems in manufacturing of powder.
2. Discuss preservatives used in pharmaceutical formulations.

**Short notes:**

**(10x5=50)**

3. Explain mixtures containing diffusible solids.
4. Explain formulations of different types of tablets.
5. Discuss coating process and evaluation of coated tablets.
6. Write stability testing and storage of capsule dosage forms.
7. Discuss different types of liquid dosage forms and solubilisers used in it.
8. Define semisolid dosage forms and discuss mechanism of drug penetration.
9. Explain preparation of infusion and tincture.
10. Define aerosols and discuss pharmaceutical applications of aerosols.
11. Explain importance of micro encapsulations in pharmacy.
12. Discuss evaluation of micro capsules.

**Answer briefly:**

**(10x3=30)**

13. Write advantages of powders.
14. Write evaluation of tablets.
15. Explain disadvantages of capsules.
16. Discuss method of capsule filling.
17. Define suspending agent with examples.
18. Explain evaluation of clear liquids.
19. Explain clear gel manufacturing procedure.
20. Write principle of extraction.
21. Discuss uses of stabilizers and emulsifying agents in emulsion.
22. Importance of binders and disintegrating agents in tablet.

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