

# **2010 Scheme**

**QP CODE: 206006**

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

## **Second Year B.Pharm Degree Supplementary Examinations July 2024**

### **Pharmaceutics III (Pharmaceutical Technology)**

**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*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay**

**(3x10=30)**

1. Explain in detail the principle, construction and working of spray dryer.
2. Define evaporation. Discuss about the factors affecting evaporation in detail.
3. Discuss about sources and prevention of chemical hazards in detail.

**Short notes**

**(14x5=70)**

4. Fluid energy mill.
5. Conveyers for handling of solids.
6. Mechanical hazards.
7. Theory of powder mixing.
8. Principles of freeze drying.
9. Mechanisms of size reduction.
10. Mechanisms of liquid mixing.
11. Principles of rectification.
12. Explain any one mixer for powder.
13. Glass as a material of construction.
14. Raoult's law and its limitations.
15. Equipments for dehumidification.
16. Industrial dermatitis.
17. Explain about filter media and filter aids.

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