

# **2010 Scheme**

**QP CODE: 206006**

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

## **Second Year B.Pharm Degree Supplementary Examinations February 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 hammer mill.
2. Define evaporation. Discuss about principle, construction, working and advantages & disadvantages of film evaporators.
3. Discuss the theory, construction and working of a spray dryer.

**Short notes**

**(14x5=70)**

4. Theory of filtration.
5. Factors affecting size reduction.
6. Flash distillation.
7. Chemical hazards.
8. Filter aids.
9. Natural and forced convection.
10. Raoult's law.
11. Rotary filter.
12. Solid handling units.
13. Prevention of corrosion.
14. Measurement of humidity.
15. Reciprocating pump.
16. Steam distillation and its application.
17. Principles of centrifugation.

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