

# **2010 Scheme**

**QP CODE: 206006**

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

**Second Year B.Pharm Degree Supplementary Examinations July 2022**

**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. Write the principle, construction and working of ball mill.
2. Explain the principle, construction and working of tray dryer
3. Discuss the construction and working of film evaporator.

**Short notes**

**(14x5=70)**

4. Reciprocating pump
5. Fourier's law of heat conduction
6. Overall heat transfer coefficient
7. Theory of filtration
8. Rotary filter
9. Raoult's law
10. Steam distillation
11. Freeze drying
12. Humidity chart
13. Mixers for powders
14. Prevention of corrosion
15. Mechanical hazards
16. Factors affecting size reduction
17. Drum dryer

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