

2010 Scheme

QP CODE: 206006

Reg. No:

**Second Year B.Pharm Degree Supplementary Examinations
January 2023
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 the design, operation and uses of a multiple effect evaporator.
2. Give the details construction, operation and uses of a spray dryer.
3. Explain the theory of centrifugation.

Short notes

(14x5=70)

4. Various types of fans
5. Storage bins
6. Log Mean temperature difference
7. Various filter media
8. Perforated basket centrifuge
9. Film evaporators
10. Flash distillation
11. Mechanism of drying
12. Rotary dryer
13. Equipments for dehumidification
14. Prevention of vortex formation in liquid mixing
15. Factors influencing the selection of a mixer
16. Role of non-ferrous metal in pharmaceutical industry
17. Chemical hazards
