

2010 Scheme

QP CODE: 206006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations January 2025

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 about factors affecting the size reduction of drugs.
2. Classify the different materials used in plant construction and briefly discuss about stainless steel and glass.
3. Briefly discuss about the principles of centrifugation.

Short notes

(14x5=70)

4. Different types of pump and its application.
5. Heat transfer coefficient.
6. Theory of filtration.
7. Fluid energy mill.
8. Principles of rectification.
9. Theory of powder mixing.
10. Mechanism of size separation.
11. Equipments for dehumidification.
12. Corrosion and its prevention.
13. Propeller mixer.
14. Explain the construction and working of film evaporators.
15. Heat conduction through a pipe.
16. Prevention of electrical hazards.
17. Principles involved in freeze drying and mention its application.
