

2012 Scheme

QP CODE: 216006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations January 2025 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. Compare and contrast the different types of pumps used in liquid handling.
2. Define Size Reduction. Enlist the objectives of size reduction and explain the factors affecting it in detail.
3. Explain the principle, construction, working, use, advantage, and limitation of a Fluidized Bed Dryer with a neat, labelled diagram.

Short notes

(14x5=70)

4. Industrial blowers.
5. Conveyors.
6. Sources and uses of heat in the pharmaceutical industry.
7. Theory of filtration.
8. Laws governing energy and power requirements of a mill.
9. Film evaporator.
10. Azeotropic distillation.
11. Mechanism of drying.
12. Equipment's for dehumidification operations.
13. Explain the terms relative humidity and percent humidity.
14. Theory of mixing.
15. Corrosion and its prevention.
16. Classify the different types of materials used in the construction of equipment with their application.
17. Accident records.
