

(2012 Scheme)

PHARMACEUTICAL TECHNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain various factors influencing the selection of a solid transportation equipment
2. Explain various factors affecting size reduction of a material.
3. Discuss the design, operation and pharmaceutical applications of a fluidized bed dryer.

Short notes

(14x5=70)

4. Various types of centrifugal pumps
5. Overall heat transfer coefficient
6. Filter media and filter aids.
7. Principle of centrifugation.
8. Azeotropic distillation
9. Spray dryer
10. Mechanism and approaches of dehumidification
11. Vortex and its role on mixing of liquids
12. Types of corrosion
13. Prevention of mechanical hazards
14. Single effect evaporators
15. Industrial dermatitis
16. Cutter mill and roller mill
17. Tumbler mixers
