

**PHARMACEUTICS III
(PHARMACEUTICAL TECHNOLOGY)
(2010 SCHEME)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Classify the types of equipments used for transportation of solids. Explain any two of them
2. Explain about film evaporators in detail.
3. Explain fluidized bed drier in detail.

Short notes

(14x5=70)

4. Concept of individual film coefficient.
5. Principle and working of hammer mill.
6. Filter aids.
7. Explain the reciprocating pump for liquid handling.
8. Measurement of humidity.
9. Mixers for powders.
10. Dust hazards.
11. Principles of rectification.
12. Advantages and disadvantages of glass as a material of construction
13. Filter media.
14. Log mean temperature difference.
15. How will you determine the rate of drying.
16. Laws governing energy and power requirement for size reduction
17. Simple distillation
