

Second Year B.Pharm Degree Supplementary Examinations July 2018
PHARMACEUTICS III
(PHARMACEUTICAL TECHNOLOGY)
(2010 SCHEME)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Define evaporation. Discuss about principle, construction, working and advantages & disadvantages of film evaporators
2. Define drying. Discuss about principle, construction and working of tray dryer in detail.
3. Discuss about sources and prevention of chemical hazards in detail.

Short notes

(14x5=70)

4. Edge filter.
5. Fourier's law of heat conduction.
6. Principles of centrifugation.
7. Adiabatic saturation temperature.
8. Types of corrosion.
9. Overall heat transfer coefficient
10. Steam distillation and its application.
11. Mechanisms of mixing in powders.
12. Factors affecting size reduction.
13. Reciprocating pump.
14. Materials of construction – stainless steel.
15. Humidity chart and its uses.
16. Gas handling – blowers.
17. Laws governing power requirements of a mill.
