

Second Year B.Pharm Degree Supplementary Examinations - March 2015

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

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Explain the construction, working and applications of a belt conveyor
2. Explain the construction, working, merits and demerits of perforated basket centrifuge.
3. State the theories of filtration. Explain the factors influencing the rate of filtration. .

Short notes

(14x5=70)

4. Overall heat transfer coefficients.
5. Explain edge filters
6. Various mechanisms of size reduction
7. Short tube evaporator.
8. Applications of distillation in pharmacy.
9. Construction of a tray drier and mentions its applications.
10. Humidity chart and its uses.
11. Principle of azeotropic distillation.
12. Various mechanisms and pharmaceutical applications of mixing
13. Sigma blade mixer.
14. Explain briefly on methods of preventing of corrosion.
15. Explain the role of glass as a material of construction in industry.
16. Mention in detail the dust hazards in pharmaceutical industries
17. Prevention of vortex formation.
