

**Second Year B.Pharm Degree Supplementary Examinations**  
**December 2018**  
**Pharmaceutics III (Pharmaceutical Technology)**  
**(2010 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Explain in detail the principle, construction and working of hammer mill
2. Explain in detail the principle, construction and working of tray dryer
3. Explain in detail principle, construction, working, economy and feeding pattern of multiple effect evaporators.

**Short notes**

**(14x5=70)**

4. Prevention of corrosion
5. Reciprocating piston pump
6. Filter media
7. Objectives of size reduction
8. Raoult's law and its limitations.
9. Film evaporators
10. Drying curve and its different regions
11. Principles of rectification
12. Equipments for dehumidification
13. Mixers for pastes
14. Stainless steel as material of construction
15. Chemical hazard
16. Industrial dermatitis
17. Compressors for handling of gases

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