## QP CODE:216006 (NEW SCHEME)

Second Year B.Pharm Degree Examinations - August 2014

# (2012 Scheme)

## PHARMACEUTICAL TECHNOLOGY

### Time: 3 Hours

- Answer all Questions.
- Write equations wherever necessary.

#### Essay

- 1. Explain the principle, design, operation and uses of a reciprocating pump
- 2. Discuss in detail about design, operation and uses of a filter press.
- 3. Explain the factors affecting evaporation in detail.

#### Short notes

(14x5=70)

(3x10=30)

- 4. Uses and Advantages of steam in a pharmaceutical industry
- 5. Mechanisms of filtration
- 6. Mechanisms of size reduction
- 7. Simple distillation
- 8. Equilibrium moisture content
- 9. Humidity chart and its utility
- 10. Propeller mixers
- 11. Role of stainless steel in pharmaceutical industries
- 12. Prevention of electrical hazards.
- 13. Elutriation as a method of size separation.
- 14. Tubular bowl centrifuge
- 15. Cathodic and anodic protection
- 16. Accident records
- 17. Heat conduction through a pipe.

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Reg.No: .....

**Total Marks: 100**