

QP CODE: 206006 (OLD SCHEME)

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations February 2017

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

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Define conduction. Discuss about the Fourier's law of heat conduction in detail.
2. Define evaporation. Discuss about the factors affecting evaporation in detail.
3. Discuss about the measurement of humidity in detail.

Short notes

(14x5=70)

4. Principles of freeze drying.
5. Accident records.
6. Principles of rectification.
7. Theory of mixing.
8. Gas handling – various types of fans.
9. Mechanisms of filtration.
10. Laws governing energy and power requirements of a mill.
11. Propellers for liquid mixing devices.
12. Mechanisms of size reduction.
13. Raoult's law.
14. Industrial dermatitis.
15. Rotary pumps.
16. Sedimentation centrifuge
17. Principles of rectification.
