

Second Year B.Pharm Degree Supplementary Examinations - July 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 principle, construction, working, advantages and disadvantages of plate & frame filter press.
2. Classify the different types of centrifuges. Discuss in detail about the construction and working of conical disc centrifuge.
3. Explain the principle, construction, working and uses of a freeze dryer.

Short notes

(14x5=70)

4. Explain the uses of steam as a heating medium.
5. Climbing film evaporator.
6. Explain the construction and working of silverson mixer - homogeniser
7. Principle and working of a cyclone separator.
8. Industrial hazards encountered in a pharmaceutical industry.
9. Rate of drying curve.
10. Heat flow through a hollow cylinder with reference to Fourier's law
11. Various types of corrosion
12. Explain the principle, construction and working of a fluid energy mill.
13. Humidity chart.
14. Types of azeotropic mixtures.
15. Classify the different types of pumps used in liquid handling
16. What are ideal solutions and real solutions. State the Roults law.
17. Describe the principle, construction and working of a pneumatic conveyor
