

QP CODE:206006

Reg.No:

Second Year B.Pharm Degree Examinations - October 2012

**PHARMACEUTICS III
(PHARMACEUTICAL TECHNOLOGY)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Classify centrifugal pumps. Explain the construction and working of single-stage, single-suction turbine pump.
2. Explain the principle, construction, working, merits and demerits of ball mill.
3. Explain in detail about factors influencing the rate of evaporation. Classify different types of evaporators

Short notes

(14X5=70)

4. State and explain Fourier's law
5. Film-coefficient and overall heat-transfer coefficient
6. Hammer mill
7. Fans used for gas handling.
8. Mechanism of drying.
9. Volatility.
10. Large scale simple distillation.
11. Wet bulb and dry bulb temperatures.
12. Explain the mechanism of humidification and mention its uses.
13. Factors affecting rate of filtration.
14. Planetary mixer.
15. Role of rubber in pharmaceutical industries.
16. Accident records and industrial dermatitis.
17. Materials that are used as filter media.
