

(LE 4259)

FEBRUARY 2014

Sub. Code: 4259

**SECOND YEAR B.PHARM. EXAM**  
**PAPER IV – PHARMACEUTICAL TECHNOLOGY**  
***Q.P. Code: 564259***

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:** (2X20=40)

1. Explain the principle, construction, working and application of Film evaporators.
2. Enumerate the various factors affecting filtration. Discuss about Rotary filter.

**II. Write notes on:** (8X5=40)

1. Azeotropic distillation.
2. Freeze dry
3. List out types of valves and explain any one.
4. Enumerate mechanism involved in size reduction with suitable example.
5. Sources of heat.
6. Sigma blade mixer
7. Krystal crystallise
8. Stainless steel as materials of plant construction.

**III. Short Answers on:** (10X2=20)

1. Relative humidity.
2. Steam distillation.
3. Multiple effect evaporator.
4. Sublimation.
5. Prevention of fire hazards.
6. Filter media.
7. Types of crystals.
8. Relative Volatility.
9. Triple roller mill.
10. Double cone blender

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