



(LJ 4259)

**AUGUST 2016**

Sub. Code: 4259

**SECOND YEAR B.PHARM. EXAMINATION  
PAPER IV – PHARMACEUTICAL TECHNOLOGY**

*Q.P. Code: 564259*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Essay:** (2 x 20 = 40)

1. Explain the construction, working, advantages and disadvantages of filter press and filter leaf.
2. Classify Evaporators. Describe construction and working of a film Evaporator.

**II. Short notes:** (8 x 5 = 40)

1. What are the advantages of size reduction?
2. Explain the working principle of cyclone separator.
3. Give five pharmaceutical applications of Industrial centrifuges.
4. Explain the working of flash distillation.
5. Write note on theory of crystallization.
6. Describe the working of refrigerator.
7. Write the factors influencing rate of corrosion.
8. Write briefly on mechanism of heat transfer.

**III. Short answers:** (10 x 2 = 20)

1. Define drying. Give its importance in the formulation of dosage forms.
2. Laminar Flow.
3. Write note on check valves.
4. Explain the construction of calandria.
5. Define crystal.
6. Classify driers.
7. Define humidification.
8. Types of corrosion.
9. Advantages of plastics.
10. Uses of Phase diagram.

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