



(LL 4259)

AUGUST 2017

Sub. Code: 4259

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

Q.P. Code: 564259

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain the construction, working, advantages and disadvantages of drum filter
b) Write factors influencing the rate of filtration.
2. Describe the construction, working, advantages and disadvantages of colloidal mill and Fluid energy mill.

II. Write notes on:

(8 x 5 = 40)

1. Describe in detail about humidity.
2. Explain the principle and working of silverson mixer
3. Discuss the Miers super-saturation theory of crystallization.
4. Describe the construction and working of falling film evaporator
5. Describe various types of iron as material of construction.
6. Describe the principle, working and applications of steam distillation.
7. Discuss the theories involved in fluid flow.
8. Write notes on valves.

III. Short answers on:

(10 x 2 = 20)

1. Define polymorphism.
2. What is calandria?
3. Classification of evaporators.
4. Define dry distillation.
5. Application of centrifugation.
6. Define filtration.
7. Define mixing.
8. What are the grades of powder?
9. Mechanisms of heat flow.
10. What is minus material?

