

(LQ 4259)

FEBRUARY 2020

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. Define Corrosion. Explain the types of corrosion. Prevention of corrosion.
2. a) With a neat diagram explain the working of rotary filter.
b) Write about steam as heating media. Write its advantages.

II. Write notes on:

(8 x 5 = 40)

1. Write the construction and working of check valves.
2. Construction and working of differential manometer.
3. Note on edge filter.
4. Solubility curve in crystallization.
5. Applications of humidity measurement in pharmacy.
6. Construction and working of falling film evaporator.
7. Fluidized bed drying.
8. Colloidal mill.

III. Short answers on:

(10 x 2 = 20)

1. Write the grades of stainless steel.
2. What is industrial dermatitis?
3. Define viscosity.
4. Write the principle of reciprocating pump.
5. Characters of crystals.
6. What is Adiabatic cooling?
7. Define calandria.
8. What is volatility in fractionation?
9. Principle of ball mill.
10. Difference between impeller and propeller.
