

(LH 4259)

AUGUST 2015

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 principle and working procedure of Fractional distillation apparatus. Illustrate the fractional distillation of the mixture of components with the boiling point-composition diagram.
2. Define corrosion and various types of corrosion. Describe on prevention and control of corrosion.

**II. Short notes:**

**(8 x 5 = 40)**

1. Short tube Evaporator.
2. Fluidized bed dryer.
3. Cyclone separator.
4. Solubility curve.
5. Planetary mixer.
6. Orifice meter.
7. Fluid energy mill.
8. Special drying methods.

**III. Short answers:**

**(10 x 2 = 20)**

1. Humidity Ratio.
2. Centrifugal effect.
3. Caking of crystals.
4. Reynolds's number.
5. What are alloys give any two examples?
6. Name the equipments used for dehumidification.
7. Application of glass.
8. What is latent heat?
9. Define filter media.
10. Types of liquid movement.

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