



[LF 4259]

AUGUST 2014

Sub. Code: 4259

SECOND YEAR B.PHARM. DEGREE EXAMINATION

Paper IV – PHARMACEUTICAL TECHNOLOGY

Q. P. Code: 564259

Time: Three Hours

Maximum: 100 Marks

Answer All Questions

I. Essay Questions:

(2 x 20 = 40)

1. a) Write a role on stainless steel in material of plant construction in the pharmaceutical industry.
- b) Draw and explain the Psychrometric chart.
2. Define viscosity and explain about Venturimeter and Orifice meter.

II. Short Notes:

(8 x 5 = 40)

1. Explain Raoult's law of distillation.
2. Write a note on chemical hazards.
3. Give an account on gear pump.
4. Explain cartridge filter.
5. Write briefly on mechanism of heat transfer.
6. What are the uses, advantages and disadvantages of fluidized bed dryer?
7. Write a note on double cone blender.
8. Write the construction and working of ball mill.

III. Short Answers:

(10 x 2 = 20)

1. How will you prepare supersaturated solution for crystallization from a given solution?
2. Define valves.
3. What are all the disadvantages with thermostatic steam trap?
4. Define evaporation.
5. Define centrifugation.
6. Uses of phase diagram.
7. Define humidity.
8. Define Bernoulli's theorem.
9. Define distillation.
10. Advantage of hammer mill.

