

35142 : Pharmaceutical Engineering - I : T-1.5

P. Pages : 1

Time : Three Hours



AW - 2288

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **Any five** questions.
 3. Illustrate your answer necessary with the help of neat sketches.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Define evaporation? Classify various evaporators and describe in detail climbing film evaporator? **12**
2. Define Corrosion. Explain types of corrosion in detail. Add a note on prevention of corrosion. **12**
3. Add a note on.
 - a) Reciprocating pump. **6**
 - b) Plug – cock valve. **6**
4.
 - a) Explain Bernaulli's Theorem in detail. **6**
 - b) Write principle, construction, working, advantages and disadvantages of Rotary drum filter. **6**
5. Explain modes of heat transfer and add a note on shell & tube heat exchanger. **12**
6. Define distillation. Discuss fractional distillation in detail by giving special emphasis on fractionating column. **12**
7. Write notes on **any two**. **12**
 - a) Applications of distillation.
 - b) Extraction Towers.
 - c) Super centrifuge.
