

B.Pharm. - II CBCS Pattern Semester-III
BP304T - Pharmaceutical Engineering

P. Pages : 3

Time : Three Hours



GUG/W/23/10887

Max. Marks : 75

- Notes : 1. All questions are compulsory.
2. Illustrate your answers wherever necessary with the help of neat sketches.

- 1. Multiple Choice Questions. **20x1 =10****
- i) Which of the following evaporator is also known as rising film evaporator. **=10**
- a) Horizontal tube evaporator b) Steam jacketed kettle
c) Climbing film evaporator d) None of the above
- ii) Vacuum distillation occur at
- a) Temperature below its boiling point
b) High boiling point
c) Both A & B
d) None of the above
- iii) Which of the following is example of static bed dryer
- a) Drum Dryer b) Freeze dryer
c) Tray dryer d) Fluidized bed dryer
- iv) Higher value of mixing index greater will -----.
- a) Homogeneity b) Cutting
c) Solubility d) Density
- v) Which of the following is example of static mixer.
- a) Double cone blender b) Ribbon blender
c) V cone blender d) None of the above
- vi) In end runner mill size reduction is done by
- a) Cutting b) Impact
c) Crushing and shearing d) Heating
- vii) Which of the following is not variant of hammer mill.
- a) Hammer crusher b) Micro Pulverizers
c) Hardinge mill d) All the above
- viii) In ball mill maximum size reduction is obtained at.
- a) Critical speed b) Low speed
c) High speed d) None of the above
- ix) Which of the following are objectives of size reduction.
- a) Increases absorption b) Increases surface area
c) Stability of suspension d) All the above
- x) The mode of motion in size separation method.
- a) Agitation b) Brushing
c) Centrifugal d) All the above

3. Solve any seven.

**5x7
=35**

- a) Explain in short about end runner mill.
- b) Write a short note on belt conveyer.
- c) Define crystallization with characteristics of crystals.
- d) Write a note on conduction.
- e) Define distillation with its application.
- f) Explain in short about Edge runner mill.
- g) Write a short note on screw conveyer.
- h) Define crystallization with characteristics of crystals.
- i) Write a note on rotex screen.
