

II B. Pharmacy I Semester Regular/Supplementary Examinations, March – 2021
PHARMACEUTICAL ENGINEERING

Time: 3 hours

Max. Marks: 75

- Note: 1. Question paper consists of three parts (**Part-I, Part-II & Part-III**)
2. Answer ALL (Multiple Choice) Questions from **Part-I**
3. Answer any **TWO** Questions from **Part-II**
4. Answer any **SEVEN** Questions from **Part-III**

PART - I

1. (i) The size reduction equipment that is suitable for both dry and wet grinding processes (1M)
a) Roller mill b) Hammer mill c) Ball mill d) Rotatory cutter mill
- (ii) Example for filter aid (1M)
a) Wool b) Keisel guhr c) Sand d) Wood
- (iii) Lyophilisation means _____ (1M)
a) Solvent hating b) Solvent loving c) Solute loving d) Solute hating
- (iv) Centrifugal force is involved in the separation by following separator (1M)
a) Cyclone b) Shaking screen c) Rotex d) Bag filter
- (v) Freeze dryer is used for drying of _____ (1M)
a) Blood samples b) Antibiotics c) Vitamins and Enzymes d) All
- (vi) The principle of high shear and kneading actions is involved in ____ mixer (1M)
a) Double cone b) Sigma blade c) Planetary d) V-cone
- (vii) Mixing devices are technically called as _____ (1M)
a) Blades b) Impellers c) Blenders d) None
- (viii) Agitator blades present in which type of blenders (1M)
a) Double cone b) Ribbon c) Tumbling d) V-cone
- (ix) When sulphur combines with polymeric chains of rubber and cross-links between them, that process is _____ (1M)
a) Vulcanisation b) Sulfurization c) Polymerization d) Thionization
- (x) The formation of an oxide layer over the surface is observed in _____ corrosion (1M)
a) Wet b) Dry c) a and b d) None
- (xi) The following which dryer is used for drying the solutions, slurries and suspensions. (1M)
a) Spray dryer b) Drum dryer c) Tray dryer d) Vacuum dryer
- (xii) _____ is a physical factor influencing selection of materials in plant construction. (1M)
a) Strength b) Mass c) Thermal conductivity d) All
- (xiii) Rotar and stator is present in which size reduction equipment (1M)
a) Roller mill b) Hammer mill c) Ball mill d) Colloidal mill
- (xiv) Steam distillation is the most common example of _____ distillation (1M)
a) Separational b) Differential c) Evaporative d) All
- (xv) When solids are present in less than 1 % w/v concentration, the process of its separation is called as _____ (1M)
a) Filtration b) Clarification c) Removal d) Elimination

