

B. Pharm Second Semester
35146 : Pharmaceutical Engineering - II : T-2.4

P. Pages : 1

Time : Three Hours



AU - 0661

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer any five question.
 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.

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| 1. | Write mechanism of crystallization and Discuss Swenson Walker Crystallizer in Detail. | 12 |
| 2. | Define Size Reduction, Write its advantages, and write construction and working of Ball mill. | 12 |
| 3. | Write note on any two. | 12 |
| | a) Cyclone separator and its usefulness. | |
| | b) Official standards for sieves. | |
| | c) Application of drying. | |
| 4. | a) Write mechanism of solid mixing and describe any one equipment used for solid-solid mixing. | 6 |
| | b) Write theory of Drying. | 6 |
| 5. | Discuss in detail Refrigeration, various Refrigerants and Refrigeration cycle. | 12 |
| 6. | Write chemistry of fire and discuss in detail safety training and education for accidents. | 12 |
| 7. | a) Write in detail principle, construction and working of Belt conveyer. | 6 |
| | b) Write principle, construction and working of Tray Dryer. | 6 |
