

Total No. of Questions : 7]

[Total No. of Printed Pages : 2

Roll No

BP-304 T (CBGS)**B.Pharm., III Semester (PCI Scheme)**

Examination, December 2017

Choice Based Grading System (CBGS)**Pharmaceutical Engineering***Time : Three Hours.**Maximum Marks : 75**Note:* i) Attempt any five questions.

ii) All questions carry equal marks.

1. Explain in detail laws governing size reduction. Describe in detail Ball mill.
2. Explain in detail the mechanism of heat transfer. Describe Fourier's Law.
3. Differentiate between evaporation and drying. Explain the fractional distillation with suitable diagram.
4. Describe corrosion. Explain in detail theories and types of corrosion.
5. Define mixing and what are the Pharmaceutical application of mixing? Explain in detail twin shell blender.

6. Define Filtration. Explain in detail rotary drum filter with suitable diagram.

7. Give a short note on any two of the following:

- a) Sieving
- b) Heat interchangers
- c) Ferrous metals
