

Code: 9R01401

B.Pharm II Year II Semester (R09) Supplementary Examinations May/June 2018

PHARMACEUTICAL ENGINEERING – II

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Determination of:
 - (a) Requirement of amount of steam energy.
 - (b) Boiler capacity.
- 2 Write about the factors affecting evaporation and explain about forced circulation evaporator.
- 3 Define volatility and write about the principle & process of rectification.
- 4 Explain the following:
 - (a) Determination and measurement of equilibrium moisture content.
 - (b) Spray dryer.
- 5 Discuss about:
 - (a) Factors affecting size reduction.
 - (b) Fluid energy mill.
- 6 Give a brief note on the following:
 - (a) Types of sieves and its mode of motion in size separation.
 - (b) Cyclone separator.
- 7 Write short notes on:
 - (a) Propellers used in liquid liquid mixing.
 - (b) Colloid mill.
- 8 Discuss in detail the elements of computer aided manufacturing.
