

Code: 9R01401

R09

B.Pharm II Year II Semester (R09) Supplementary Examinations December 2016

PHARMACEUTICAL ENGINEERING – II

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Differentiate between evaporation and distillation. Explain various factors affecting rate of evaporation.
- 2 (a) Describe in detail azeotropic distillation.
(b) Comment on phase diagram.
- 3 Write a note on:
(a) Tray dryer.
(b) Ball mill.
(c) Elements of CAM.
- 4 Explain the principle, construction and working of tray dryer along with its applications.
- 5 Describe in detail theory, objective and factors affecting size reduction.
- 6 (a) What are the official standards for powders?
(b) Write the principle, working and applications of cyclone separator.
- 7 (a) Define mixing. Write the principle, construction and working of two mixers used for liquid mixing.
(b) Add a note on double cone blender.
- 8 Write short notes on the following:
(a) Reactors used in chemical reaction.
(b) Automatic process control systems.
