

QP CODE: 216006 (NEW SCHEME)

Reg. No:

**Second Year B.Pharm Degree Supplementary Examinations
December 2017****Pharmaceutical Technology****(2012 Scheme)****Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

Essay**(3x10=30)**

1. Explain the principle, design, operation and uses of reciprocating pump.
2. Classify dryers and explain fluidized bed dryer.
3. What are industrial hazards and explain any two.

Short notes**(14x5=70)**

4. Cathodic and anodic protection.
5. Fourier's law of heat conduction
6. Use of steam as heating medium.
7. Centrifugal sedimenter.
8. Filter press
9. Single pass heat exchanger.
10. Azeotropic distillation.
11. Factors affecting evaporation.
12. Dry bulb and wet bulb temperature.
13. Theory of liquid mixing.
14. Mechanism of filtration.
15. Uses of glass in pharmaceutical industry
16. Industrial dermatitis.
17. Ball mill.
