

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM**  
**(Deemed to be University)**

**B.PHARM. DEGREE EXAMINATION – August 2018**  
**Second Year**

**PHARMACEUTICAL TECHNOLOGY**

Time : Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Define filtration. Enumerate the various factors affecting filtration. Discuss about rotary filter.
2. Explain Meir's theory of crystallization.
3. Write the principle, construction and working of fluid energy mill.

II. Write short essays on any **SIX** questions: (6 x 5 = 30)

4. Write briefly on mechanism of heat transfer.
5. How will you prevent dust hazards in pharmaceutical industry?
6. Tubular heater
7. Rotameter
8. Central air conditioning system
9. Air separator
10. Planetary mixer
11. Conical disc centrifuge

III. Write short notes on any **FIVE** questions: (5 x 2 = 10)

12. Eutectic point
13. Uses of phase diagram
14. Bernoulli's theory
15. Advantages of hammer mill
16. Write the advantages of glass as plant construction
17. Saturation temperature