Third Semester B.Pharm Degree Examinations January 2019

Pharmaceutical Engineering

(2017 Scheme)

• Answer all questions

Draw diagrams wherever necessary

(2x10=20)

Max. Marks: 75

Essays

Time: 3 Hours

- 1. Describe in detail about the principle, assembly and working of plate and frame filter press with merits and demerits.
- 2. Detailed note on freeze dryer with labelled diagram

Short Notes

- 3. Brief note on materials handling systems
- 4. Solid mixing.
- 5. Principle and working of sieve shaker.
- 6. Fluid energy mill.
- 7. Explain about double-pipe heat inter changer.
- 8. Explain the prevention and control of corrosion
- 9. Principle and working of fractional distillation

Answer Briefly

- 10. Differentiate between orifice meter and venturi meter.
- 11. Dalton's law.
- 12. What are heat exchangers
- 13. Applications of mixing
- 14. Centrifugal effect
- 15. Define conduction, convection and radiation.
- 16. Applications of drying.
- 17. Classify evaporators.
- 18. Mechanisms of size separation
- 19. Advantages of bag filter.



(7x5=35)

(10x2=20)