

Second Year B.Pharm Degree Supplementary Examinations - July 2016

**PHARMACEUTICS III
(PHARMACEUTICAL TECHNOLOGY)
(2010 SCHEME)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Explain in detail about the various materials used for plant construction.
2. Define distillation. Explain the principle, assembly, procedure and applications of steam distillation
3. What are the applications of size reduction. Discuss the principle, construction and working of a ball mill.

Short notes

(14x5=70)

4. Discuss the methods of preventing corrosion.
5. Describe the construction and working of air conditioner.
6. What is the importance of mixing in pharmacy and add a note on double cone blender.
7. Explain the various factors affecting the rate of evaporation.
8. Heat transfer mechanisms.
9. Explain the different laws governing size reduction.
10. Filter aids.
11. Explain the design and specifications of standard sieves
12. Flash distillation.
13. Explain the mechanism and construction of forced circulation evaporator.
14. Electrical and mechanical hazards in an industry.
15. What is centrifugation. Classify the different types of centrifuges with examples.
16. Describe the principle, construction and working of fluidized bed dryer.
17. Theories of filtration.
