

**QP CODE:206006 (OLD SCHEME)**

**Reg.No: .....**

Second Year B.Pharm Degree Supplementary Examinations - August 2014

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

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Explain humidification and dehumidification in detail.
2. Classify different types of evaporators. Discuss the principle, construction and working of multiple effect evaporator.
3. Classify the different types materials used in plant construction and briefly discuss about stainless steel and plastics.

**Short notes**

**(14x5=70)**

4. Sieve analysis.
5. Fire and chemical hazards.
6. Explain the principle, working and uses of spray dryer.
7. Classify the different theories of corrosion and explain any one.
8. Describe the different mode of stress applied in size reduction with the example of equipment and name the various factors influencing size reduction.
9. Explain individual film coefficient and overall heat transfer coefficient.
10. Rotary filter.
11. Hammer mill.
12. Explain the Darcy's law of filtration.
13. Explain relative centrifugal effect.
14. Principle and assembly of simple distillation.
15. State and explain Fourier's law.
16. Theory's of mixing.
17. Explain the significance of rate of drying curve.

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