

Subject Code: CEU12

M. Pharmacy-I Semester [R09] Regular/Supplementary Examinations, April-2013

**PHYSICAL PHARMACEUTICS
(Pharmaceutics)**

Time: 3 Hours

Max Marks: 60

**Answer any FIVE questions
All questions carry EQUAL marks**

1. Enumerate different particle characteristics , explain particle size analysis with examples.
2. a). Explain the distribution forces in compaction and force volume relationship.
b). Write the instrumentation of tablet machine.
3. Write the different methods for enhancement of solubility of drug with examples.
4. a). Write the physical stability of suspensions.
b). Write the evaluation of stability of emulsion.
5. Write the factors influencing the viscosity and explain measurement of thixotropy.
6. Write the properties of polymers and write their application in pharmacy.
7. Define accelerated stability testing and method of determination of shelf life of the product.
8. Define the DSC and write its methods of analysis and application.

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