

PHARMACEUTICS II

(2012 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Discuss in detail about determination of surface area of powders
2. What is kinematic viscosity. Describe the methods of determining flow properties of liquids.
3. What are colloids. Classify and explain the methods of preparation

Short notes

(14x5=70)

4. Pharmaceutical applications of suspensions
5. Identification tests for type of emulsions
6. Simple diffusion
7. Surface and interfacial tensions
8. Coalescence and breaking of emulsions
9. Theory of dissolution
10. Wetting of particles
11. Applications of protein binding in pharmacy
12. Derived properties of powders
13. Photolysis
14. Thixotropy
15. Factors affecting dissolution
16. Settling and its control in suspensions
17. Limitations of accelerated stability testing
