

(2012 Scheme)

PHARMACEUTICS II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Define surface and interfacial tensions. Explain the methods for the measurement of surface and interfacial tensions.
2. Explain the type of rheological systems.
3. Define protein binding and applications in drug delivery.

Short notes

(14x5=70)

4. Simple diffusion cell.
5. Applications of surfactants.
6. Factors affecting adsorption.
7. Effect of electrolytes on stability of colloids.
8. Electric properties of colloids.
9. Micellar solubilisation.
10. Flocculation and de-flocculation of suspensions.
11. Theories of emulsification.
12. Methods to determine order of reaction.
13. Expiration dating.
14. Particle size and its distribution.
15. Densities of powder.
16. Shelf life.
17. HLB.
