

Second Year B.Pharm Degree Examinations July 2017

PHARMACEUTICS II

(2012 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain in detail about the determination of average particle size and size distribution
2. Discuss in detail about various properties of colloids
3. What is accelerated stability testing. Elaborate the prediction of shelf life and add a note on its limitations and advantages.

Short notes

(14x5=70)

4. Differences between flocculated and deflocculated suspension
5. Classify emulsifying agents
6. Explain Fick's laws of diffusion with appropriate equation
7. Classify surfactants
8. Metal ion complexes
9. Flow properties of powders
10. Types of dissolution testing apparatus
11. What are different stability problems in emulsion, suggest the methods to overcome the same
12. Types of rheological systems
13. Purification of colloids
14. Protein binding
15. Spreading coefficient
16. Electrical double layer
17. Rate of reaction
