

Second Year B.Pharm Degree Examinations - August 2014

(2012 Scheme)

PHARMACEUTICS II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. What is dissolution and explain in detail about different dissolution test apparatus
2. Explain in detail the capillary rise method for the determination of interfacial tension
3. Describe the Ostwald's viscometer for the determination viscosity

Short notes

(14x5=70)

4. Explain the Fick's first law of diffusion
5. HLB classification
6. Kinetics of protein-drug binding
7. List out the applications of inclusion compounds
8. What is micromeritics and list out the applications of the same
9. Explain the average particle size distribution with the help of tabular column
10. Briefly explain the effect of temperature on the reaction rate
11. Explain in brief the problems associated with stability of drugs
12. Briefly explain the non Newtonian systems and its types
13. Explain the mechanism of shear thickening systems
14. Explain the methods assessment for the formulation of suspension
15. Differentiate flocculated and deflocculated suspensions
16. Different types of emulsion and its identification techniques
17. Explain the factors influencing stability of emulsions
