

QP CODE: 203006 (OLD SCHEME)

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations February 2017

**PHARMACEUTICS – II
(2010 SCHEME)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain in detail the capillary rise method for the determination of interfacial tension
2. Describe any two theories behind the emulsion formation
3. Describe the cup and bob viscometer for the determination viscosity

Short notes

(14x5=70)

4. Ficks first law of diffusion
5. Higuchis equation for the drug release study
6. Experimental methods of determining protein binding
7. Complexation and classify the different complexes
8. Sedimentation technique for particle size determination
9. Air permeability method to determine surface area of powders
10. Rate of a reaction- explain with an example
11. Derive an equation for first order of reaction
12. Applications of rheology in pharmacy
13. Angle of repose
14. Methods of assessment for the formulation of suspension
15. Pharmaceutical applications of suspensions
16. Different types of emulsion and its identification techniques
17. Factors influencing stability of emulsions
