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## B.Pharm. Fourth Semester (Old)

## 35155: Physical Pharmaceutics - II: T-4.1

P. Pages: 1

Spreading coefficient.

AW - 2301

Time: Three Hours Max. Marks: 60 Notes: 1. All question carry equal marks. 2. Answer any five questions. 3. Illustrate your answer necessary with the help of neat sketches. 1. Define Surfactants, classify them & discuss HLB scale in details. 12 2. What are the methods of determination of surface area of particles, discuss in details. 12 3. a) Write about densities of powders. 6 b) Define thixotropy & Write the importance of thixotropy in formulations. 6 12 4. Write Fick's second law of diffusion & describe steady state of diffusion. 5. Describe various types of viscometers in details. 12 6. Classify complexes & discuss metal complexes in details. 12 12 7. Write short notes any two. Bulges & Spurs. a) Protein Binding. b) Flow properties of powders. c)

d)



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