(LJ 4256)   **AUGUST 2016**   Sub. Code: 4256

B.PHARM. EXAMINATION
SECOND YEAR
PAPER I – PHYSICAL PHARMACEUTICS

Q.P. Code: 564256

Time: Three hours   Maximum: 100 Marks

I. Essay: (2 x 20 = 40)

1. What are suspensions? Describe formulation of suspensions. Add note on theory of sedimentation.

2. Explain the Rheological behavior of Non Newtonian systems. Discuss the choice of viscometer for Rheological properties determination. Describe capillary viscomete

II. Short notes: (8 x 5 = 40)

1. Instabilities of emulsion.
2. Pharmaceutical application of colloids.
3. Electric double laye
4. Decomposition and stabilization of drugs.
5. Derived properties of powders.
6. Inclusion Complex.
7. Buffers in pharmaceutical and biological systems.
8. Pharmaceutical applications of complexation.

III. Short answers: (10 x 2 = 20)

1. pH partition hypothesis
2. Diffusion
3. Electrophoresis
4. Schulze Hardy rule
5. Wetting agents
6. Angle of repose
7. Micrometrics
8. CMC
9. Creaming
10. Polymorphism

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