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B.PHARM.**THEORY EXAMINATION (SEM-VI) 2016-17****PHARMACEUTICS-VIII****Time : 3 Hours****Max. Marks : 100****Note : Be precise in your answer.****SECTION – A****1. Explain the following:****10 x 2 = 20**

- (a) Dendrimers
- (b) NLC
- (c) Poly dispersity index
- (d) d) Mottling
- (e) Rat- holing
- (f) Turrets
- (g) Avicel
- (h) Accela –cota
- (i) Adhesion test in tablet
- (j) Gel strength in capsules

SECTION – B**2. Attempt any five parts of the following questions:****5 x 10 = 50**

- (a) Discuss Physics of tablet making. And enlist the various machines used for tablets production.
- (b) Discuss evaluation of film coated tablet as per pharmacopoeia.
- (c) Give quality control parameters for capsules
- (d) Discuss various mathematical models for controlled release.
- (e) Discuss in-vitro release and release kinetics of microcapsules.
- (f) Describe methods of preparation off nano particles.
- (g) Discuss legal requirement for packaging containers.
- (h) Describe stability and storage of capsules.

SECTION – C**Attempt any two parts of the following questions:****2 x 15 = 30**

3. Discuss evaluation of tablet as per I.P.
4. Describe characterization of Nano and micro particles
5. Give pharmaceutical application of HPMC, Chitosan and poloxamer