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_	I No. Total No. of Pag al No. of Questions : 06	es : 01
	M. Pharmacy (Sem.–1) NOVEL DRUG DELIVERY SYSTEM Subject Code: PHCEU-135 Paper ID: [E1324]	
Time: 3 Hrs. Max. Marks: 80		
INS 1. 2.	TRUCTIONS TO CANDIDATES: Attempt any FIVE questions out of SIX questions. Each question carries SIXTEEN marks.	
Q1	Discuss the physicochemical factors that affect the formulation and perform controlled drug delivery systems.	mance of (16)
Q2	Write notes on: (4	×4=16)
	a) Resealed erythrocytes.	
	b) Application of sonophoresis for transdermal drug delivery enhancement.	
	<ul><li>c) Difference between microemulsion and nanoemulsion.</li><li>d) Floating dosage forms.</li></ul>	
Q3	a) Note on particulate matter test for parenterals with respect to official standards.	(8)
	b) Discuss the methods of preparation of solid lipid nanoparticles.	(6)
Q4	a) What is the significance of DLVO theory for studying interactions in colloidal s	system? (8)
	b) Discuss the key factors contributing in stabilization of colloidal dispersions.	(8)
Q5	a) Discuss in detail the osmotic drug delivery systems.	(10)
	b) Discuss the problems associated with peptide delivery.	(6)
Q6	Write notes on:	
	a) Criteria of selection of polymer as carrier system.	(6)
	b) Explain the significance of BCS classification in the formulation strategy of no delivery system.	ovel drug (10)
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