## Paper / Subject Code: 69003 / Pharmaceutics-II

		Time: 3 Hours Marks:	70
	NB:	<ol> <li>All questions are compulsory</li> <li>Figures to the right indicate full marks</li> </ol>	
Q 1	a Comment on the kinetic stability of dispersed systems.		3
	b Enlist the different factors affecting skin penetration.		$\sim 2$
	c Define suppositories. Give the advantages of suppositories.		3
	d State the problems associated with blood products.		2
	e Explain hov	w sterility of ligature is evaluated.	3
	f State the ap	plications of emulsions.	2
2	a Enlist the quality control tests for suspensions. Explain any two quality control tests		tsin
	detail.		4
		OR STATE OF	1,12
	Discuss the	e various equipment used in formulation of emulsions.	\$ 4
	b Classify su	ppository bases. Explain the desirable properties of suppository bases.	4
	c Explain No	on-absorbable sutures of animal origin.	3
3	a Explain the following: i) Wetting ii) Electrical double layer		4
		n Albumin preparations or Red Cell Concentrate.	4
	c Outline the	liquefaction test for suppositories.	3
4	a Explain raw materials used in Semisolid preparations.		4
	b Enlist various methods of selection of emulsifiers and explain any one in detail.		4
	c Elaborate o	n Dextran as plasma substitute.	3
	(4, 0, 4, 7, 7)	e on Molecular weight requirements for dextran and labelling criteria	
	for dextran	E	3
5	a Discuss any	one method of suspension preparation.	4
		n large scale manufacturing of ointments.	3
3000	c Discuss larg	ge scale manufacturing of suppositories.	4
2000		OR	
PAS	Outline the p	roblems encountered during formulation of suppositories.	4
5	a Elaborate o	n the process of sterilization of catgut.	3
	b Elaborate o	n Preservation of emulsions.	4
		OR	
3,6	'	ollowing, Creaming, Flocculation and Coalescence.	4
	c Elaborate o	n Penetration enhancers and mechanism of penetration enhancement.	4

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