S.Y.B.PHARM. SEMESTER-IV (2011 COURSE): WINTER -

SUBJECT : DOSAGE FORM DESIGN - I

Day Date	: Thursday			Time : 02.00 PM TO 05.00 PM	
	:	16/11/2017	W-2017-3827	Max. Marks: 80	
N.B.:					
	1) Q.No.1 and Q.No.5 are COMPULSORY. Out of the remaining qu				
	•	•	attempt ANY TWO questions from each section.		
	2)	Answers to both the sections should be written in the SEPARATE answer book Figures to the right indicate FULL marks.			
	3)	Figures to t	the right indicate FULL marks.		
			SECTION - I		
Q.1		- · · · · · · · · · · · · · · · · · · ·			
	a)				
	b) What is surface free energy?				
	c)	What is zeta p			
	d) What do you mean by polymorphism?e) Give pharmaceuticals application of suspension.		an an		
	f)		oxidants used in oral liquids.	JII.	÷
0.2	(۵	Discuss in detail additives used in solutions for internal use.			
Q.2	a) b)		ail aggregation and cake format		[08] [07]
	υ,	Discuss in act	and approparion and care format	ion in suspension.	[0,1]
Q.3	a)				
	b)	-	- "	stance is measured and mention	[07]
		its importance	e in formulation development.		
Q.4		Write short note on ANY THREE of the following:			[15]
	a)	· · · · · · · · · · · · · · · · · · ·			
	b)		tamination in non-sterile produc	ets	
	c) Crystal characteristics and bioavailability				
	d)	Controlled flo	occulation in suspension		
			SECTION – II		
Q.5			FIVE of the following:		[10]
	a)		dvantages of suppositories?	0 1 1 1 1 1 10	
	b)		e concentration of preservatives		
	c) d)	^	ameters for evaluation of dry syn C tests in emulsions preparation	-	
	e)		activity test for emulsion.	.i	
	f)		of two protein based drugs.		
	-,	•			
Q.6	a)	 Discuss physical and chemical stability of proteins a stabilization. 		proteins and write about its	[08]
	b)	-	ods for preparation of suppositor	ries.	[07]
0.7	a)	Evaloin ingtob	rilitias of amulsian		[08]
Q. 7	a) b)	•	pilities of emulsion. Essing and layout for dry syrup n	nanufacturing.	[07]
	~,	213 0 00 proof			į, j
Q.8		Write short note on ANY THREE of the following: [1			
	a)		nanufacture emulsion		
	b)	Evaluation of			
	c) d)	Microemulsio	tors in emulsion stability		
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