## T.Y.B.PHARM. SEMESTER-V (2011 COURSE) : SUMMER - 2018

## SUBJECT: DOSAGE FORM DESIGN - II

Day	:	Saturday		Time: 10.00 AM TO 01.00 PM	
Date	:	28/04/2018	S-2018-3965	Max. Marks: 80	
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N.B.:		Q.No.1 and Q.No.5 are COMPULSORY. Out of the remaining questions attempt ANY TWO questions from each section.			
	1)				
	2)	Answers to both the sections should be written in the <b>SEPARATE</b> answer books			
	3)	Figures to the right indicate FULL marks.			
	SECTION – I				
Q.1	A)	Answer ANV F	IVE of the following:	I1	10]
Q.1	i)		sify dermatological formulat		LUJ
	ii)	Why gelatin is a major component of capsule shell manufacturing?			
	iii)	Enlist various pathways of skin penetration of drugs. What are advantages and disadvantages of soft gelatin capsules?			
<ul><li>iv) What are advantages and disadvantages of soft gelatin caps</li><li>v) What is the role of buffers in semisolid dosage forms?</li></ul>					
	vi)			erties of drugs that govern skin	
Q.2	a)	Discuss the derr	natological factors affecting	selection of bases.	08]
	b)	Discuss manufa	cturing process for preparati		)7j
Q.3	a)	Write down the	different mechanisms of gel	formation.	180
Q.D	b)		capsule filling methods.	~	)7]
0.4		Write short note	g on ANY TUDEE of the fo	Moving. [1	151
Q.4	a)		s on <b>ANY THREE</b> of the for a series of the form of th	onowing.	15]
	b) Penetration enhancers				
	c)	· ·			
	d)	Evaluation of se	emisolids		
			SECTION	– II	
Q.5	<b>A</b> )	Answer ANV F	IVE of the following:	I1	[0]
Q.S	i)		antages and disadvantages of		·Vj
	ii)	What are the obj	jectives of granulation?		
	iii)		ting? Why it is carried out?	: <b>C</b> 1	
	iv) v)		fluencing pulmonary deposit ts? Give the ideal properties		
	vi)		c acid co-polymers are used		
0.6		D: 1.1		ro	101
<b>Q.6</b>	a) b)	Discuss in detail Discuss film coa	l dry powder inhalers.	-	)8] )7]
	U)	Discuss iiiii coa	ung of taolets.	Į v	′′1
Q.7	a)		ls IPQC tests for tablets.		[8(
	b)	Discuss problem	ns in tablet coating and the re	emedies thereof. [0	)7]
Q.8		Write short notes on ANY THREE of the following:			[15]
Z.0	a)	Mouth dissolvin		(-	1
	b)	Quality control t	tests for aerosols		
	c) d)	Evaluation of co Powders	eated tablets		
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