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Pharmaceutics - VI (Bio-Pharmaceutics And Pharmacokinetics) 257 257 257 BRANCH : B.P.harma. 257 257												
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		Answer Oue	setion No	-			and	any fi	vo fro	m the re	et	
Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.												
Q1												
257	a)	Define 'clinic						257		257		2
	b)	What is biolo										
	c) d)	Write down four factors affecting drug absorption from GIT. What are 'complexing agents'? Give examples.										
	e)	What is thera					ow it.					
	f)	List four facto						ody.				
	g)	What are th					in b	ody? \	Which	organ is		
		considered a										
257	h)	Define renal										2
	i)	Draw a typic pharmacokin							snowing	g various		
	j)	In compartme										
	3/	55		.9,		op						
Q2	a)	How would			drug bir	nding inf	luence	e sink	condit	ions and	(5)	
		absorptions of									(5)	
257	b)	Describe acti	ive transpo	π or arug.		257		257		257	(5)	
Q3	a)	What do you	mean by n	olvmorphis	sm and		sm?F:		with ex		(5)	2
	b)	Describe first								эр.:эээ	(5)	
			•								` ,	
Q4	a)	What are the	_			_				_	(5)	
	b)	Describe the	major phys	siological b	iologica	al barriers	s to di	stributi	on of d	rugs?	(5)	
Q5	a)	What is 'appa	arent' and '	absolute' v	oluma	of dietrib	utions	2				
257	b)	What are the							ı bindi	na? Give	(5)	
231	٠,	examples	o ranodo _r	ougone ron	atou iu		proto	41348	, 5	.9. 0.20	(0)	
		·										
Q6	a)	Give a diagr	am illustrat	ting the m	ajor pro	ocess inv	olved/	in rer	nal clea	arance of	(5)	
	b \	drugs.	م طامات ا	olo o ro ro c	if the L	lood fice	., ra4-	to 41-	- مازمار-	zor ic FO	/E\	
	b)	Calculate the m/min and the									(5)	
		and 20 mcg/r			iug cill	oning and	ı ıcavı	ing inc	ulalyZ	C1 13 100		
257		257	•	257		257		257		257		25
Q7	a)	Describe she	elf-life of a c	drug. Give	the equ	ation for	1 st ord	der kin	etic mo	del.	(5)	-
	b)	Discuss the f	actors affe	cting biliar	y cleara	nce of di	ug.				(5)	
Q8		Write short	answer on	any TWO	:						(5 x 2)	

a) Total body clearance b) Area under the curve (AUC)

Zero order kinetics d) Facilitated diffusion

c)

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	Ansv	wer Question	No.1 which	ı is comp	ulsory a	and any	five fron	n the rest.	
		The figu	res in the r	ight hand	d margir	n indicat	e marks.		
7	k c c e f	Answer the	ives and Carerstand by Amean by Anderms Mucolocrine and Ethacterials atteriostatic a	minatives. Intacids and rectics and rectics and rectics and rectice and rectice and rectice and Antibio and Bacter	nd Anti-se d Anti-en Astringer ormones. tics?	ecretory? netics? nts.	for each	i. (2X10)	2
7	i j	Explain the te Explain the te What are Bet Write about	erm 'Heavy r ta-lactum an	netals'. tibiotics?	of Mad		ntihiotics	257 with (5)	2
		examples. b) Mentioning the about the inte	ne control of	Thyroid	hormone	s in our	body, disc		
7		a) Discuss abou b) Justify the us						ack. (5) (5)	2
		a) Define with exb) Write down guidelines for	the drug re	gime as	per reco	ommenda			
7		a) Write a brief r two relevant h b) Write a short	leavy Metal	poisoning	257	25	emedy for	any (5)	2
		a) Mention abou Chloramphen	t the clinical	y importar	nt adverse		of	(5)	
	k	b) Briefly highlig Barbiturate ar	ht about the	general p	orinciples	for treatn	nent agair	nst (5)	
7	Q7.	Write down Anti-neoplasti						n of ² (10)	2
		Attempt any a) Write down to effects. b) Write down	he antimala						

drawback.

c) How Acyclovir manages Herpes infection.

257	257		257	257	2	257	257		257		
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257	257		Tim Max Q.C	CH: B.Pharr ne: 3 Hours (Marks: 70 ODE: B126		257	257				
	Answer Que Th			compulsory t hand marg				St.			
Q1 257 a) b) c) d) e) f) g) h)	Define the te Mention two What do you Define the te How many ar	rm prodrugs steps involve ne structure rm nucleotic aromatic an mean by Im rm peptide ve mino acids a	s. ²⁵⁷ ved in drug or sof Mepacrose with examino acids word with example with example are present	rine and progunple. vith their struct lants? e.	ianil? tures.	257	257	(2x10)	257 257		
j) Q2 a)	Write down the Define and cl			of Chlorampl	nenicol.			(5)			
b)		•		lazole and Ac				(5)			
Q3 a) b)				ents. Outline the etoconazole a	nd Metron			(5) (5)	257		
Q4 a) b)				and pyrimeth es of sulphon				(5) (5)			
Q5 a) b)				cemic agents opamide and		ole.		(5) (5)			
Q6 a) 257 b)	Describe the Mention the s			Dapsone. cil and _∂ pyraziı	namide	257	257	(5) (5)	257		
Q7	Write a note	on antithyro	id drugs.					(10)			
Q8 a) b) c)	Write short a β-lactam Anti Immunosupre Diagnostic ag	ibiotics. essive agen gents.	-	257	2	257	257	(5 x 2)	251		
²³ d)	Antineoplasti	c agents									

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257		Answer Que	estion	No.							any	five	from	the r	est.	257
231									-					-231-		231
Q1	The figures in the right hand margin indicate marks. Answer the following questions:											(2 x 10)				
-	a)	• •										,				
	b)	Write the va	rious ty	pes	of de	gass	ing te	chniq	ues u	sed i	n HPI	_C.				
	c)	· · · · · · · · · · · · · · · · · · ·														
	d)	What is the	_					-		_	-					
257	e)	How Qualita					•			•	y GC.			257		257
	f)	What are Parent and Base peak and its significance? Write down the number of Fundamental mode of vibrations associated for Linear and Non-linear molecules in IR spectroscopy.														
	g)															
	h)	What is Vacuum UV-region? Write down the different electronic transitions involved in UV-Spectroscopy analysis.														
	i)	Differentiate	betwee	en T	LC a	nd HF	PTLC	. Whi	ch on	e is s	uperio	or and	l why	?		
257	j)	What is₅self	and ch	emic	al Q	uench	ning ir	า₂Fluc	rimet	ry?	257			257		257
Q2	a)		Describe the theory and principle of IR-spectroscopy.											(5)		
	b)	Write down	the diffe	erent	t sam	iple p	repar	ation	techr	iques	s use	d in IF	R-ana	lysis.		(5)
Q3	a) b)	Write down to What are the	•	•				, MS	durin	n ioni	zatior	12				(5) (5)
257	ω,	257	J 4		211 0 P	·ouu	, o u	257		g .c	257	••		257		257
Q4	a)	Explain the proton?	princip	le of	NM	R spe	ectros	сору	. Wha	it is S	Shield	ling a	nd D	eshield	ding	(2+3)
	b)	Write a shor	t note c	on st	ructu	ral el	ucida	tion o	f a co	mpou	ınd b	y NMF	₹.			(5)
Q5		Describe the note on app		•		iffere	nt ste	ps in	volve	d in T	LC n	netho	d. Wr	ite a s	hort	(10)
Q6		Outline the applications			es of	HPL	C tec	hniqu	e. De	scrib	e₂the	Instr	umen	tation	and	(10) ²⁵⁷
Q7	a) b)	Principle of HPTLC	UV-spe	ectro	scop	у.										(5) (5)
Q8		Write down	the prin	ciple	e. Ins	trume	entatio	on an	d app	licatio	ons of	f Flam	ne Ph	otome	trv.	(10)

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	7 th Semester Regular/Back Examination 2017-18 Pharma Biotechnology 257 2BRANCH: B.Pharma. Time: 3 Hour Max Marks: 70 Q.CODE: B128 Question No.1 which is compulsory and any five from the rest The figures in the right hand margin indicate marks.											PH.7.6			
Q1	257 a)	Answer the followi	ng qı	ueștic		t nar	1 a m i 257	argın	ınaı		mar 57	KS.		257	(2 x 10)
	a) b) c) d) e) f) g)	Define epitopes. What do you mean I Define Antigen and What do mean by M Define immunity, ac What is biotransfom Write the application	by ge class licrob tive ir nation	ne clo ify it. ial Tra nmun n proc CR ₅₇	ansfo ity an ess?	rmatic d pas	sive i		nity.	25	57			257	2
	i) j)	Difference between cellular and humoral immunity. What do you mean by antibiotics with suitable example?													
Q2	a) b)	Define Immunology. "All immunogenes are antigen but all antigens are not immunogen" explain it with reason. Write about short note on different immunoglobulin.									(5) (5)				
Q3	257 b)	What are the mecha Write the process of							hnolo	gy. 25	57			257	(5) (5)
Q4	a) b)	Why Taq polymeras Schematically descr				ation p	roces	SS.							(5) (5)
Q5	a) b)	Describe the develo How to regulation of										echn	olog	y.	(5) (5)
Q6	²⁵⁷ a) b)	What is Enzyme imrimmobilization? What are the ideal repressure as per I.P.											zym	es 257	(5) (5)
Q7		what is Genetic Cod synthesis and in		escril or of p					ompo	nents	s of p	rotein			(10)
Q8	a) b) c) d)	Write short notes of Hyaluronidase Streptokinase Major histocompatib Proteases	Ì	Anÿ ⁷ T	WO)		257			2.5	57			257	(5x2)

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7th Semester Regular/Back Examination 2017-18 Hospital Pharmacy Administration, BRANCH: B.Pharma.

> Time: 3 Hours Max Marks: 70 Q.CODE: B131

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

Q1 57	a) b) c) d) e) f) g) h) i)	Answer the following questions: Define hospital pharmacy. Describe about the hospital pharmacy personnel. What do you mean by hospital formulary system? Write the full form of AHFS, FDLS, ASHP. What is non-charge floor stock drugs& charge floor stock drugs? Define Shelf stripping. Describe briefly about in-patient and out patient. What is envelop system? What is parental hyperalimentation? Describe about intravenous additive program.	(2 x 10)	257
Q2	a) b)	What are the various drug distribution systems for in-patients? Describe pre-packing of drugs in hospital pharmacy.	(5) (5)	
Q3 257	a) b)	Write a note on organization of hospital pharmacy. What are the advantages and disadvantages of hospital formulary system? 257	(5) (5)	257
Q4	a) b)	Briefly discuss about the manufacturing of IV additive solutions. Illustrate the term P.T.C (Pharmacy & Therapeutic Committee)	(5) (5)	
Q5	a) b)	Mention the objectives and functions of hospital pharmacy. Write about the dispensing routine to ambulatory patients.	(5) (5)	
Q6 57	•	What is infection control committee and what are the role of this committee in the hospital pharmacy.	(5)	257
	b)	Describe about ICU and ICCU. What are the roles of clinical pharmacist in the ICU?	(5)	
Q7		Discuss briefly about hospital committees and their roles.	(10)	
Q8 ₂₅₇	a) b) c)	Write short answer on any TWO: Drug Basket method Goals for Hospital Pharmacy Current practice committee	(5 x 2)	257