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		P Answer Que	HAR stion	MAC E No.	er Re OKIN BRAN 1 wh in the	NETION INCH Tir Ma Q.O ich is e rigl	CS A PH/ ne: X Ma CODI CODI CODI CODI CODI CODI CODI CODI	ND EARMA 3 Hourks : E : Can mpuls nd m	ORUG ACO urs 70 820 sory nargi	and ind	TAB Y any t	OLIS five f e mai	M rom ti	he re	M.PH2D. <sup>,</sup>
Q1	a) b) c) d) e) f) g) h) i)	Answer the following questions: Short answer type:  Define the term 'bioavailability' and 'bioequivalence'.  What is the advantage of drug administered in sublingual route?  Define the term 'prodrug' with suitable examples.  Define plasma half-life (t <sup>1/2</sup> ). What is its significance?  Write the importance of plasma protein binding.  Write the consequence of microsomal enzyme inhibition.  Give example of two active drugs having active metabolite.  Quinidine decreases renal clearance of digoxin. Justify.  Give example of two drugs excreted through exhaled air.  Name some environmental factors that induce drug metabolism.												(2 x 10)	
Q2	a) b)	Write short notes on : Transfer of drug through blood brain barrier. First pass metabolism										(5) (5)			
Q3		Explain drug affecting abso				assiv	e dif	fusior	ı. Dis	cuss	abou	t vari	ous fa	ctors	(5+5)
Q4	a) b)	Write short notes on: Processes that determine urinary excretion of drug. Factors affecting renal clearance of drug.											(5) (5)		
Q5		What is appa drug distributi		volur	ne of	distr	ibutic	n? D	iscus	s vai	rious	facto	rs affe	ecting	(3+7)
Q6		Define biotra physiological				•			varic	ous	ohysi	coche	mical	and	(2+8)
Q7	a) b)	Write short r Passage of di Phase-I meta	rug ad	cross		ntal b	arrie	·.							(5) (5)
Q8	a) b) c)	Answer the f Glucuronide of Microsomal e Excretion of of Factors affect	conjug nzym Irug th	gation e indu nroug	ı uction h milk	ζ.	Irua.								(2.5 x 4)