C58J

SARDAR PATEL UNIVERSITY

M. Sc. Semester - III Examination Thursday, 31st December 2020 PHARMACEUTICAL CHEMISTRY

Subject: General Pharmacology

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Q.1	(A)	Multiple choice questions:		(08)	
	1	Which of the following is not route of dr	ug administration?		
		a) Oral	c) Topical		
		b) IV	d) Dissolution		
	2	Pharmacogenomics is the study of the	,		
		a) Economy	c) Genome		
		b) metabolism	d) Environment		
	3	Which is the factor that not affect absorption of drug?			
		a) Physical stateb) Particle size	c) Chemical bond		
	4	What is the nature of Morphine?	d) Concentration		
		• • • • • • • • • • • • • • • • • • •			
		a) Acidic	c) Neutral		
	_	b) Basic	d) None of the above		
	5	Mechanism of action of ispaghula is beca	use of change in its		
		a) neutralization of gastric HCI	c) physical mass		
		b) chelation of heavy metals	d) adsorptive property		
	6	Theory of drug action based on occupation of receptors by specific drugs was proposed by			
		a) Clark in 1937	c) Clark in 1947		
		b) Clark in 1957	d) Clark in 1938		
	7	response in a patient.			
		a) Dose	c) Both a and b		
		b) Toxicity	d) None of these		
	8	of drug are			
		a) Target level dose	c) Regulated dose		
		b) Standard dose	d) All of these		
Q.1	(B)	Do as Directed		(16)	
	1	Drug in the concentrated injection is absorbed faster. (True/False)			
	2	The analytic epidemiology includes only experimental studies. (True/False)			
	3	Injection is the main route of enteral administration of drug (True/False)			

	4	In the presence of a full overist	
		In the presence of a full agonist, a partial agonist acts like a noncompetitive inhi (True/False)	bitor
	5	· · · · · · · · · · · · · · · · · · ·	
	6	- 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	ılse)
		and position on the dose axis. (True/False)	ima)
	7	Either quantitative or qualitative factors may modify drug and the continuous	
	8		•
	9 1(indinacokinetic is	
		type of diotransformation reaction	
	11		
	12	when a drug is administered systemically, the dose-response relationship	hae
	13	components.	1145
	14	O "" Baron for channels aistractions as	
	15	i a a a b a a a a a a a a a a a a a a a	
		drug action known as approach.	for
	16	TO THE SECOND PROCESS OF THE SECOND PROCESS	
		unrelated to the pharmacodynamic profile of the drug known as	
Q.2			
Q.2	1.	Answer the following (Any Seven)	(14)
		What is clinical pharmacy?	(17)
	2.	Define pharmacodynamics.	
	3.	Define Facilitated diffusion of drug in brief.	
	4. ~	Give one example of Phase II reaction of drug?	
	5.	Define Bioavailability of drug.	
	6.	Write any 2 Functions of receptors.	
	7.	Enlist principles of drug action.	
	8.	Define standard dose.	
	9.	What is titrated dose?	
0.0			
Q.3	(a)	Write explanatory note on toxicology.	(00)
		OR	(08)
	(a)	Write explanatory note on actions of drug.	(0.0)
			(08)
Q.4	(a)	Discuss factors affecting rate of absorption of drug in detail.	(0.0)
		OR	(08)
	(a)	Write detail account on phase I reactions.	.
			(08)
Q.5	(a)	Write detail note on G protein coupled receptor.	(0.0)
		OR	(08)
	(a)	What is Receptor occupation theory? Discuss two-state receptor model in detail.	(0.0)
			(08)
Q.6	(a)	Enlist the factors factor modifying drug action and explain any two in details.	(0.0)
		OR	(08)
	(a)	Explain about fixed dose ratio combinational preparations.	(0.5)
		·	(08)