## Q.P. Code :04478

			[Ti	me: 2½ Hours]	[ Marks:70]			
				Please check whether you have got the right question paper.				
		N.B:	1.	All questions are compulsory.	2 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			
			2.	Figure to the right indicate full marks.				
1.	(a)	Answer the	follov	wing State S	12			
	ı.	Define bioavailable and bioequivalence						
	II.	Differentiate between potency and efficacy of a drug						
	III.	. What are the clinical uses of skeletal muscle relaxants?						
	IV.	Classify muscarinic receptors along with their location						
	٧.	Carbonic anl	hydra	ase inhibitors are used as mild diuretics. Justify	397			
	VI.	Give the me	chan	ism of action of quinidine.				
1.	(b)				03			
	I.	What do you	ı mea	an by pharmacological antagonism? Give examples.				
	II.	Differentiate between sympathetic and parasympathetic nervous system in terms of present neurotransmitters.						
	III.	Give the pat	hoge	nesis of cardiac arrhythmia.				
2.	(a)	) Answer any two of the following 0						
		Classify parasympathomimetics and add note on their therapeutic uses.						
		Give the pharmacological action of Acetylcholine.						
		Write note on depolarizing and non-depolarizing ganglionic blockers.						
		672)						
		24 25		of the following	03			
		6,70,5	40' O'	us phases of drug metabolism with example.				
	II.	Define renal	clea	rance, Volume of distribution and half life of drug				
			9,40,					
3.	(a)		ی کی ا	of the following	08			
, ¿	) <b>9.</b> 6		y ^~ . (	hmic agents and explain the role of calcium channel blockers.				
200	4.5		714014	of diuretics in managements of hypertension				
		Explain vario	ous to	oxic effects of drug on different organs and systems.				
	(b)	Answer any	one (	of the following	03			
	l.	Give the pha	rma	cotherapy of Angina pectoris				
\$ 30 C	II.	How pharma	acoki	netic factors affects action of drug?				
OF B	300				22			
4.0	VO.	- 20 00 0 V	2 V Q	of the following	08			
		. NO _ V _ V _ O) _ O;	2 V A	like substitutes in-detail.				
	$\cup$ , $\cup$	10, (7, VO, A. S.	2 0	eutic uses of Noradrenaline and explain its mechanism of action.				
	HI.	What treatm asthma?	1 -7	will you prescribe to the patient suffering from cardiac arrhythmia if he/she is h	naving			

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	(b)	Answer any one of the following	0					
	I.	Classify nicotinic receptor antagonist						
	II.	Explain the role of sympathomimetics in asthma	2223					
5.	(a)	Answer any two of the following	08					
	ı.	Discuss various types of receptors and explain their functioning with examples.						
	II.	Explain physiological and chemical antagonism with suitable examples.	\$ 10 C					
	III.	Differentiate between competitive and non-competitive inhibition.						
	(b)	Answer any one of the following	0					
	ı.	Classify routes of drug administration.						
	II.	Drug administered via different routes will have same half life. Justify						
6.	(a)	) Answer any two of the following						
	I.	I. Write note on antihyperlipidemic drug						
	II.	. Give the classification of sodium channel blocker along with their uses.						
	III.	III. Give the therapeutic uses of following drugs (any 4)						
		a) Succinly Co A						
		b) Physostigime						
		c) Quinidine						
		d) Spirinolactone						
		e) Diltiazem						
	(b)	Answer any one of the following	03					
	ı.	Discuss the effect of protein binding capacity and related drug action.						
	II.	I. Discuss patient related factors affecting drug action.						
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