Seat Number	er		PANKH-39)
	BP-404	Т		
	Pharmacol	ogy-I		
Total Page	(724404)		
Time: 3 Hou			Max Marks : 7	5
Note : (1)		-2000		_
Note: (1)	Do not write anything on qu	iestion	paper except Seat 140.	
(2)	Draw well labelled diagram	where	ver necessary.	
(3)	All questions are compulsory			
(4)	Students should note, no sup	pleme	nt will be provided.	
1. Solve M	Iultiple Choice Questions:			0
(i) P	harmacodynamics involves the	study	of the following:	
(a) Mechanism of drug action	(b)	Biotransformation	
(c)	Distribution	(d)	Excretion of drug	
(ii) Fin	rst pass effect is seen with wh	nich ro	oute of administration?	
(a)	Oral route	(b)	Sublingual	
(c)	Intramuscular	(d)	Intravenous	
(iii) Affi	nity is a measure of:			
(a)	how tightly a drug binds t	to plas	ma protein	
(b)	how tightly a drug binds t	o a re	eceptor	
(c)	inhibiting potency of a dru	ıg		
(d)	bioavailability of a drug			

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(it	v) Lo	cal anaesthetics pr	oduce :				
	(a)	Analgesia, amn	esia, loss of con-	sciousness			
	(b)	than loss of consciousness					
		Diocking pain	n l	ain with an altered level of			
	(c)	Alleviation of	anxiety and p				
		consciousness					
	(d)	cempor or con	nnolent state				
(v)	Wh	ich of the following	g local anaesthe	tics is a useful antiarrhythmic			
	age	nt ?					
	(a)	Cocaine	(b)	Lidocaine			
	(c)	Bupivacaine	(d)	Ropivacaine			
(vi)	Indi	cate the location o	f M2 Cholinorec	eptor type :			
	(a)	Heart	(b)	Glands			
	(c)	Smooth muscle	(d)	Endothelium			
(vii)	Indic	ate a reversible cl	nolinesterase inl	nibitor :			
	(a)	Isoflurophate	(b)	Carbochol			
	(c)	Polodarpine	(d)	Physostigmine			
(viii)	Which of the following cholinomimetics is commonly used in the						
	treatr	nent of glaucoma	?				
	(a)	Pilocarpine	(b)	Lobeline			
	(c)	Acetylcholine	(d)	Atropine			
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		Which of the following agents is used as an inhalational drug in asthma?					
		(a)	Atropine	(b)	Ipratropium		
		(c)	Lobeline	(d)	Homatropine		
(.	(x)	Indicate an antimuscarinic drug used in the treatment of mushroom poisoning:					
		(a)	Pralidoxim	(b)	Pilocarpine		
		(c)	Homatropine	(d)	Atropine		
	(xi)	Which of the following drugs is a non-selective alfa receptor antagonist?					
		(a)	Prazosin	(b)	Phentolamine		
		(c)	Metoprolol	(d)	Reserpine		
(xii)		Hypnotic drugs are used to treat:					
		(a)	Psychosis	(b)	Sleep disorders		
		(c)	Narcolepsy	(d)	Parkinsonian disorder		
(xiii		Which neurons are involved in Parkinsonism?					
		(a)	Cholinergic neurons	(b)	GABAnergic neurons		
		(c)	Dopaminergic neurons	(d)	Serotonergic neurons		
(xiv)		Alcohol may cause:					
		(a)	CNS depression	(b)	Vasodilation		
		(c)	Hypoglycemia	(<i>d</i>)	All of these		
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			mist EXCEPT :	
		- heta	receptor agonis	
(20)	All of the following agent	(b)	receptor agonist EXCEPT :	
	(a) Epinephrine	(d)	Dobutamine	
	(c) Methoxamine			
(xvii)]	Indicate the alfa-1-selective	antagonist	Dihydrocrystamine	
(a) Phentolamine	(d)	Labetalol	1
(4	r) Prazosin Which of the following syn	u mime	tics act indirectly ?	
(xvii) V	Which of the following syn	npathonii	Norepinephrine	
(a		(0)	Methoxamine	
(c)) Ephedrine	(d)	Messe	
(xviii) Th	he mechanism of atropine	is:		
(a)	lian			
(b)	Competative muscaring	nic blockade		
(c)	Competative neuromu	scular bloo	kade	
(d)	Non-competative neuro	omuscular l	olockade	(
(xix) Atr	opine is highly selective	for :		
(a)	${\rm M_1}$ receptor subtype	<i>(b)</i>	M_2 receptor subtype	
(c)	${ m M}_3$ receptor subtype		All of these	
(xx) The	following are all exampl	es of ester	local anaesthetic except :	
(a)	Priolocaine		Procaine	
(c)	Cocaine	(d)	Benzocaine	
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2. Solve any two of the follow	ing
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- (a) Explain receptor types.
- (b) Explain in detail neurohumoral transmission process and cholinergic transmission.
- (c) Define opoid analgesic and explain the pharmacology of morphine,
- 3. Solve any seven of the following:

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- (a) Write a short note on Antiepileptics.
- (b) Write a note on phases of General Anaesthesia.
- (c) Write a note on Local Anaesthetics.
- (d) Write a note on routes of Administration.
- (e) Explain in detail clinical trials.
- (f) Explain adverse drug reactions.
- (g) Write a note on antiparkinsonian drugs.
- (h) Describe treatment of alcoholism.
- (i) Describe drugs used in myasthenia gravis.