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B.Pharm. Fourth Semester (New) Medical Chemistry - I: BP 402 T

P. Pages: 3 Time: Three	Hour		Ĭ	AW - 234 Max. Marks : 7
Notes:	1.	Answer all question.		
	2.	Illustrate your answer necessary wit	h the	e help of neat sketches.
	3.	Discuss the reaction, mechanism wh		
	4.	Use of pen Blue/Black ink/refill onl	y for	r writing the answer book.
1. M	ultipl	e choice question.		
	14.1			
i)	If	more the lipid / water partition coeffic	cient	more will be
	a)	Water solubility	b)	
	c)	Hydrophilicity	d)	Both A & B
ii)	Co	onjugation of a drug include the follow	vina	evcent
11)	a)	Glucuronidation		Sulfate formation
	c)	Hydrolysis		Methylation
	, 0,	11, 4101, 313	••)	Westyllation
iii		hich of the following drugs produce p	ositi	ive inotropic & negative chronotropic
1 300	a)	Dopamine	b)	Epinephrine
	c)	Digoxin	d)	Isoprenaline
7. Set	/			
iv) W	hich of the following is selective alph	a rec	ceptor antagonist.
	a)	Clonidine	b)	Phentolamine
	(c)	Prazosin	d)	Yohimbine
v)	Or	ne of the following is resistant to both	true	& Pseudo cholinesterase enzyme.
	a)	Carbachol	b).	Acetilcholine
	c)	Methacholine	d)	Pilocarpine
		공용 이 선지, 하네 아이 얼마나 가다.		
vi) A1	n anti-cholinesterase which is used in		
	a)	Arecolin		
	(c)	Isoproternol	d)	Physostigmine
vi	i) Th	ne neurotransmitter released at synapti	ic ne	erve vessels fiber is
	a)	Epinephrine	b)	Nor-epinephrine
	c)	Acetylcholine	d)	Physostigmine
vi		reletal muscle relaxation produced by ostigmine.	the	drug effectively antagonize by
	a)	Diazepam	b)	Succinylcholine
	c)	Tubocurarine	d)	Aminophylline
iv) N	euromuscular blocking agents a per ac	ction	are
17	a)			Depolarizing agent
	ω)	not depotations of owning agont	1	

X)		enotice	osiu	on make the barbitune acid to act a
	a)	onotics. C5	b)	C4
	c)	C2	d)	
vil	LIxa	pnotic benzodiazepines increase the	nari	ad of time spent in the following
XI)	a)	Stage - II		Stage - III
	c)		0.00	Stage of REM
	C)	Stage - IV	u)	Stage of KEW
xii)		oridazine have common as		
	a)	Cardiac arrhythmias		Interference with male sexual function
	c)	Both a & b	(d)	None of these
xiii)	Hu	ntington's disease is mostly treated l	by	
	a)		b)	Clozapine
(5)	c)	Trifluperidol	d)	Haloperidol
xiv)	The	e COX-2 inhibiter is not given if pat	ient s	suffering or already taking.
,		Anti-allergic drug		Anxiolytic drug
		Antihypertensive drug		Anti-diabetic drug
	file Second			
xv)		그 그는 맛있는 그는 그리고 그는 그리고 그는 그리고 그는 그리고		oduction by cells involve in inflammation.
	a)			COX – II
	c)	Both a & b	d)	None of these
xvi)	Fol	lowing are the action of morphine en	xcept	i.
	a)	Respiratory centre depression	b)	Cough centre depression
	c)	Biliary colic	d)	Diarrhoea
xvii)The	e nature of morphine molecule is		
1011007-0-000		Acidic	b)	Phenolic
	c)	Basic	d)	Neutral
xvii	i) Pr	oblem associated with nitrous oxide	anae	esthesia is
	a)	Behavioural problem		Sensitizes the heart to adrenaline
	c)	Prolonged difficult induction	d)	Tachycardia or arrhythmia occurs
vivl	V at	amine is a		
AIA)	a)	Short acting general anesthetic age	nte	
	b)	Local Anesthetic agents	1113	
		Antidepressive agent		
	c) d)	Hypnotic agent		
	u)	Tryphotic agent		
xx)	250	ich of the following NSAID's is a se		
	a)	Piroxicam	b)	Indometacin
72	c)	Celecoxib	d)	Diclofenac
Solv	e an	y two.		
	E	20 (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		
a)				onic acid & Glycine from phase – II Drug
	met	abolism reaction. Why cytochrome	r-4	30 caned cytochrome P – 430?

AW - 2349

2.

20



b) Define & classify Antipsychotic agent & explain any one drug from each class. Add a note on SAR of Phenothiazine.

c) Define & classify sedative & Hypnotics drug write in detail about SAR of Benzodiazepines.

Solve any seven.

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- a) Write a note on partition coefficient & Bioisosterism.
- b) Explain SAR of sympathomimetic Agents.
- c) Explain Biosynthesis & catabolism of Acetyl choline.
- d) Discuss phase II drug metabolism via Acetylation & methylation.
- e) Add a note on Cholinesterase reactivator.
- f) Write a note on β blockers.
- g) Explain any four drug from inhalation anesthetics.
- h) Add a note on Narcotic Antagonist.
- i) Explain Phase I process of hydrolysis with eg.
