SET II

Subject: Pharmacology I Year and Sem: Second Year B.Pharm sem IV (CBCS)

Duration: 3 hrs Total marks: 80 M

N.B.: 1. All questions are compulsory

2. Figures to right indicate full marks

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		50° 6
7	Which of the following cholinomimetics activates both muscarinic and	
,	nicotinic receptors?	
a	Lobeline	36
b	Pilocarpine	\$7.5
	Nicotine	75. 75.
С		
d	Bethanechol	8,07
0		70.6
8	Atropine causes:	
<u>a</u>	Miosis, a reduction in intraocular pressure and cyclospasm	
b	Mydriasis, a rise in intraocular pressure and cycloplegia	
c	Miosis, a rise in intraocular pressure and cycloplegia	300
d	Mydriasis, a rise in intraocular pressure and cyclospasm	
		26° C
9	Which of the following effects is associated with beta 3 -receptor stimulation?	5
a	Lipolysis)
b	Decrease in platelet aggregation	
c	Bronchodilation SS	
d	Tachycardia	
10.	Which of the following direct-acting drugs is a relatively pure alfa agonist, an	
	effective mydriatic and decongestant and can be used to raise blood pressure?	
	Epinephrine	
	Norepinephrine	
	Phenylephrine	
	Ephedrine	
11.	Which of the following drugs is a nonselective alfa receptor antagonist?	
a	Prazosin	
b	Phentolamine	
c	Metoprolol	
ď	Reserpine	
500		
12	This drug is a Class II antiarrhythmic drug:	
37.60.1	Flecainide	
30,67	Propranolol	
7 25 C	Lidocaine	
	Verapamil	
	A CONTROL OF CONTROL O	
142	Which of the following entirenginal agents is a notoesium channel agency	
13	Which of the following antianginal agents is a potassium channel opener:	
	Dipyridamole Valuati	
3000	Validol Carlos C	
87. 87. S	Atenolol	
20,41	Nicorandil	
3000		
14	This drug reduces blood pressure by acting on vasomotor centers in the CNS:	
766	Labetalol	
	Clonidine	

a	I .Describe the mode of action, therapeutic use and adverse reactions of Clonidine	
Q. 2 A	Answer any one question.	12
\$ 6 C	Concerning duct	
c c	Collecting duct	+
b	Ascending thick limb of the loop of Henle Distal convoluted tubule	
o a	Proximal convoluted tubule	
20	Spironolactone acts at this nephron site	
S Suc	Tomosium-spaining uniteres	
d	Potassium-sparing diuretics	
8 8 C	Thiazide diuretics	
b	Loop diuretics	
19 a	These agents must be given parenterally because they are not absorbed when given orally: Osmotic diuretics	
d	Potassium-sparing diuretics	
c	Thiazide diuretics	
b	Loop diuretics	
18 a	The drug is the least potent diuretic: Osmotic diuretics	
d	Depression of the vasomotor center	
C	Depression of rennin-angiotensin-aldosterone system	
	endothelium	
a b	Block the adrenergic transmission Diminishing of blood volume and amount of Na+ ions in the vessels	
17	The reason of diuretics administration for hypertension treatment is:	7
d	Diuretics	200 000
c	Angiotensin-converting enzyme inhibitors	
b	Alfa-adrenoblockers	
a	of bradykinin: Ganglioblockers	
16	Choose the group of antihypertensive drugs which diminishes the metabolism	
d	Nifedipine	10,00
c	Enalapril	
b	Clonidine	300
a	Propranolol	
15	This drug is contraindicated in patients with bronchial asthma:	
	Niedipine	
	Enalapril Nifedipine	190

		0,00,00
	II. Mention the different classes of drugs used as antihypertensive? Discuss the mechanism of action and unwanted effects of enalapril.	
b	I. Classify Receptors with examples. Explain Signal transduction mechanism of Tyrosine kinase receptors.II. Write a note on drug synergism.	
Q. 2 B	Answer any four questions	48
a	Write biosynthesis, storage, release, uptake and metabolism of	305.76
	neurotransmitter of Sympathetic nervous system indicate the sites of action for	(2, 75, 0)
	the drugs on the sympathetic nervous system.	
b	Classify antiarrhythmic drugs. Give an account of the pharmacology of Quinidine and Procainamide.	
c	I. Write the classification of Diuretics. Short note on Osmotic diuretics. II. Write MOA, Uses and adverse effects of Furosemide.	97 (2)
d	A. Classify Routes of drug administration. Explain oral route with special Reference to their Advantages and disadvantages. B. What is Bioavailability? Elaborate on factors affecting bioavailability.	
e	Describe the Pathophysiology and drug therapy for any three:	
	a) Glaucoma.	
	b) Myasthenia gravis	
	c) Organophosphate poisoning	
	d) Atropine poisoning	