

## **SLR-TV - 51**

Seat	
No.	

## B. Pharmacy (Semester - VIII) Examination, 2018 (CGPA Pattern) **MEDICINAL CHEMISTRY - IV**

•		d Date : Thursday, 13-12-2018 2.30 p.m. to 5.30 p.m.	Total Marks : 70			
1.	M	CQ:	15			
	1)	Nicotinic action of Ach. is blocked by	oy			
		a) Atropine	b) d-tubocurarine			
		c) Neostigmine	d) None of above			
	2)	not an irreversible ch	nolinesterase inhibitor.			
		a) isofiurophate	b) ecothiophate iodide			
		c) neostigmine	d) parathione			
	3)	drug using as calcium	m antagonist.			
		a) verampamil b) quinidine				
	4)	act as long acting or	ganic nitrate.			
		a) isosorbide mononitrate				
			d) all of above			
	5)	For nitroglycerine ro	ute is preferred.			
		a) Sublingual b) IM	c) IV d) All of above			
	6)	Insertion of bridge in aryloxypropanolamine act as $\beta$ -adr				
		a) oxyethylene	b) oxymethylene			
		c) oxybutylene	d) none of above			
	7) not a direct acting drug.					
		a) adrenaline	b) noeadrenaline			
		c) isoprenaline	d) amphetamine			
	8)	8) drug affect the storage of noradrenaline.				
		a) guanithidine b) reserpine	c) pargyline d) $\alpha$ -methyl dopa			

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9)	is selective β2 agonist		
	a) salbutamol	b) phenoxybenzamine	
	c) tolazoline	d) none of above	
10)	Acetyl choline is hydrolysed by an en	zyme	
	a) e-cholinesterase		
	b) pesudocholinesterase		
	c) none of above		
	d) both a) and b)		
11)	1) is used as antihyperlipemic agent.		
	a) clofibrate	b) amyl nitrate	
	c) digitalis	d) tolazoline	
12)	The drug which inhibits ACE is		
	a) captopril	b) amlodepine	
	c) amiodarone	d) quinidine	
13)	Which one of the following is MOA of	Lovastatin?	
	a) Increase 7- $\!\alpha$ hydroxylase activity		
	b) Increase lipoprotein lipase		
	c) Inhibit 3-hydroxy-3-methylglutaryl-	CO-A reductase activity	
	d) All of above		
14)	Which of the following is selective $\beta 2$	stimulant drug.	
	a) cholestyramine	b) amlodipine	
	c) salbutamol	d) none of above	
15) drug block the synthesis of catecholamine.			
	a) reserpine	b) guanithidine	
	c) metyrosine	d) all	
An	swer <b>any 5</b> :	2	25
1)	Note on Computer aided drug design		
2)	Explain MOA and SAR of acetyl chol	ine.	
3)	Classify parasympathomimetic agent	and explain solanaceae alkaloidal drug	j.

4) Write classification β-adrenergic blockers drugs and explain SAR of it.

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- 5) Classify antihyperlipidemic drug and note on HMG-COA reductase inhibiters.
- 6) Write synthesis and uses of :
  - a) Procainamide
  - b) Cyclopentolate.

## 3. Answer any 3:

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- 1) Explain in detail biosynthesis, storage and release and metabolism of NA from amino acid with structure and enzyme involved it.
- 2) Define and classify antihypertensive agent explain MOA and SAR of ACE inhibitor.
- 3) Define QSAR and explain in detail physiological parameters of it.
- 4) Define pro-drug, classify it and explain in detail examples with advantages.

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