Course Code: 32617203/32517203/30117203/32217203/ 32417205/32317203/32117203/30217203/26617201

(p.t.o)

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

B.Sc(ALLIED HEALTH SCIENCES) & M.Sc(INTEGRATED PROGRAMS IN CARDIAC TECHNOLOGY) DEGREE EXAMINATIONS -August 2019

Second Year

APPLIED PHARMACOLGY/ PHARMACOLOGY

Three I	Hours		Maximum: 75 marks		
		SECTION - A			
I. Choo	ose the Best Answer :	($10 \times 1 = 10$		
1.	Which of the following processes proceeds in the second phase of				
	biotransformation?				
	a) Acetylation	b) Reduction			
	c) Oxidation	d) Hydrolysis			
2.	Parasympathomimetic drugs cause:				
	a) Bronchodilation	b) Mydriasis			
	c) Bradycardia	d) Constipation			
3.	Indicate the alfa1-selective antagonist:				
	a) Phentolamine	b) Dihydroergotamine			
	c) Prazosin	d) Labetalol			
4.	The drug against myoclonic seizures is:				
	a) Primidone	b) Carbamazepine			
	c) Clonazepam	d) Phenytoin			
5.	Which of the following non-narcotic agents is salicylic acid derivative?				
	a) Phenylbutazone	b) Ketamine			
	c) Aspirin	d) Tramado			
6.	Indicate the drug belonging to antagonists of heparin:				
	a) Aspirin	b) Dicumarol			
	c) Dalteparin	d) Protamine sulphate			
7.	Which of the following antianginal agents is a calcium channel blocker?				
	a) Nitroglycerin	b) Dipyridamole			
	c) Minoxidil	d) Nifedipine			
8.	Indol derivative is used for treatment of acute migraine attack:				
	a) Paracetamol	b) Sumatriptan			
	c) Ergotamine	d) Metoclopramide			

- 9 The drug acts by affecting the tubular fluid composition in a non-receptor mediated fashion:
 - a) Furosemide

b) Acetazolamide

c) Triamterene

- d) Mannitol
- 10. All of the following drugs are antibiotics, EXCEPT:
 - a) Streptomycin

b) Penicillin

c) Co-trimoxazole

d) Chloramphenicol

II. Write Short Answers on any FIVE of the following:

 $(5 \times 5 = 25)$

- 11. Factors affecting drug action
- 12. Methyldopa
- 13. Define anticoagulants . Discuss about LMWH
- 14. Propofol
- 15. Define and classify antitussive, explain coidine as a antitissive
- 16. Aminoglycosides
- 17. Hypocalcemia

III. Write Short Essays on any TWO of the following:

 $(2 \times 10 = 20)$

- 18. Routes of drug administration
- 19. Classify sympathomimetics . Discuss the mechanism of action pharmacological action , therapeutic uses and adverse effects of epinephrine
- 20. Define adrenergic antagonist. Classify adrenergic antagonist and explain the action uses and adverse effects of propanolol
- 21. Classify opiods . Write in detail about the mechanism of action , pharmacological action , uses and adverse effects of morphine

IV. Write Essays on any ONE of the following:

 $(1 \times 20 = 20)$

- 22. Define hypertension, classify antihypertensive drugs, explain in detail about the mechanism of action pharmacological actions pharmacokinetic uses and adverse effects of captopril
- 23. Classify cephalosporins. Write in detail about the mechanism of action, pharmacological action, uses and adverse effects of cephalaxin
