


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2022			
Course: Pharmacology-II Program: B.Pharm Course Code: BP-503T		Semester : 5 Duration : 03 Hours Max. Marks: 75	
Instructions: Read the question carefully			
SECTION A (20Qx1M=20 Marks)			
S. No.		Marks	COs
Q1	Which of the following is renin inhibitor a. Losartan b. Benazepril c. Remikiren d. Imidapril	1	CO1
Q2	Which of the following ACE inhibitor is not a prodrug- a. Perindopril b. Enalapril c. Ramipril d. Lisinopril	1	CO1
Q3	Cough is an adverse effect with intake of- a. Enalapril b. Prazocin c. Nifedipine d. Thiazide	1	CO3
Q4	Patient was started on antihypertensive medication, developed renal failure, the drug offended is- a. Beta blocker b. Alpha blocker c. Calcium channel blocker d. ACE inhibitors	1	CO4
Q5	The side effects of digitalis are all except- a. Ventricular tachycardia b. Vasodilation c. Nausea and vomiting d. Ventricular Bigemini	1	CO3
Q6	Quinidine is a- a. Sodium channel blocker b. Potassium channel blocker	1	CO1

	<ul style="list-style-type: none"> c. Calcium channel blocker d. Chlorine channel blocker 		
Q7	<p>Glyceryl trinitrate is given by sublingual route because of-</p> <ul style="list-style-type: none"> a. short half-life in plasma b. Hepatic first pass metabolism c. Quick response d. Both b & c 	1	CO2
Q8	<p>Drug of choice for hypertension in pregnancy is-</p> <ul style="list-style-type: none"> a. Methyldopa b. Thiazides c. Nifedipine d. Labetalol 	1	CO4
Q9	<p>Noncompetitive inhibitors of carbonic anhydrase-</p> <ul style="list-style-type: none"> a. Allopurinol b. Acetazolamide c. Bimatoprost d. Dipivefrine 	1	CO1
Q10	<p>The therapeutic efficacy of antihypertensive drug is blunted by NSAIDs because they-</p> <ul style="list-style-type: none"> a. Causes sodium excretion b. Increases the clearance of antihypertensive drugs c. Decreases the absorption of antihypertensive drugs d. Decrease the synthesis of vascular prostacyclins 	1	CO4
Q11	<p>A highway truck driver has profuse Rhinorrhea And sneezing. Which among the following drugs would you prescribe him?</p> <ul style="list-style-type: none"> a. Pheniramine b. Promethazine c. Dimenhydrinate d. Cetirizine 	1	CO4
Q12	<p>Mechanism of action of methotrexate in rheumatoid arthritis is-</p> <ul style="list-style-type: none"> a. Decrease folate synthesis b. Decrease thymidylate synthesis c. Decrease purine synthesis d. Increase purine synthesis 	1	CO2
Q13	<p>Anakinra is a-</p> <ul style="list-style-type: none"> a. IL-6 antagonist b. IL-1 antagonist c. IL-2 antagonist d. IL-10 antagonist 	1	CO1
Q14	<p>abatacept is-</p> <ul style="list-style-type: none"> a. TNF-alfa inhibitor b. inhibitor of co stimulation of T cells c. IL-1 antagonist 	1	CO2

	d. Monoclonal antibody against IL-6 receptor		
Q15	Reloxifene is used in- a. Osteoporosis b. Cervical cancer c. Osteopetrosise d. Fibroadenoma	1	CO3
Q16	Differentiate between COX-1 and COX-2 enzyme.	1	CO1
Q17	Name the drug of choice for migraine.	1	CO4
Q18	Write two uses of bromocriptine.	1	CO3
Q19	What is the difference between classical and variant angina?	1	CO1
Q20	What is ionotropic and chromotropic effect?	1	CO1
SECTION B (20 Marks) (2Qx10M=20 Marks)			
Attempt 2 Question out of 3			
Q 1	Explain the mechanism of renin-angiotensin system inhibition with example (drugs used) in cardiovascular system.	10	CO1, CO2
Q2	Name the hormones secreted from posterior pituitary gland. Discuss the physiological role and clinical uses.	2+8	CO2
Q3	Discuss the Pathophysiology of diabetes along with mechanism of hypoglycemic drugs.	3+7	CO4, CO3
SECTION-C (35 Marks) (7Qx5M=35 Marks)			
Attempt 7 Question out of 9			
Q 1	what is the difference between cardiac attack, cardiac arrest, and heart failure? Briefly discuss the pharmacological treatment for all.	5	CO5
Q2	Write a note on oral contraceptives.	5	CO2
Q3	Define and classify autocoids.	5	CO1
Q4	A new-born has blood gas and hemodynamic problems because of patent (open) ductus arteriosus. Suggest the drug to be administered for closure of ductus with justification.	5	CO4
Q5	Classify and discuss the pharmacology of anticoagulants.	5	CO1, CO2
Q6	Discuss the hormones regulating plasma calcium level	5	CO3
Q7	Write a note on pathophysiology, symptoms and treatment of Cushing syndrome.	5	CO4
Q8	Briefly discuss the pharmacology of iron in human body.	5	CO1,CO3
Q9	Classify drugs for antihypertension	5	CO2