


Name:			
Enrolment No:			
UPES End Semester Examination, May 2024			
Course: Pharmacology II Program: BSC Clinical Research Course Code: HSCR2007		Semester: IV Time: 03 hrs. Max. Marks: 100	
Instructions: Read the question paper carefully. Attempt the questions as mentioned.			
S. No.	Section A Short answer questions/ MCQ/T&F (20Qx1.5M= 30 Marks)	Marks	COs
Q 1	Differentiate the normotensive and hypertensive individuals.	1.5	CO1
Q 2	Define the term heart attack.	1.5	CO1
Q 3	Name the receptor responsible for nausea and vomiting.	1.5	CO3
Q 4	Elucidate the term anticoagulant.	1.5	CO2
Q 5	State the disease associated with lipoproteins.	1.5	CO1
Q 6	Mention one lifestyle factor that can contribute to hypertension.	1.5	CO1
Q 7	Enlist the primary symptom of angina pectoris.	1.5	CO1
Q 8	Define fibrinolytics.	1.5	CO1
Q 9	Give the primary function of hemoglobin in the body?	1.5	CO2
Q 10	Name one commonly used plasma volume expander.	1.5	CO2
Q 11	Suggest the site of action for loop diuretics.	1.5	CO2
Q 12	Give two examples of autocooids.	1.5	CO2
Q 13	Mention one action of cyclooxygenase-2 enzyme in inflammation.	1.5	CO2
Q 14	Write example of a commonly used NSAID.	1.5	CO2
Q 15	Name one commonly used disease-modifying antirheumatic drug.	1.5	CO2
Q 16	Enlist the symptoms of gout.	1.5	CO1
Q 17	Predict one hormone that stimulates the release of growth hormone.	1.5	CO3
Q 18	Enlist the primary hormone produced by the thyroid gland.	1.5	CO2
Q 19	State the role of calcitonin.	1.5	CO2
Q 20	Give one metabolic role of glucagon.	1.5	CO2
Section B (4Qx5M=20 Marks)			
Q 1	Explain the mechanisms of action of at least three different classes of antihypertensive drugs and mention their adverse effects.	5	CO3
Q 2	Classify antianginal drugs with suitable examples.	5	CO2
Q 3	Write a short note on plasma volume expanders.	5	CO2

Q 4	Define oral hypoglycemic agents. Classify with examples and write their clinical applications.	5	CO4
Section C (2Qx15M=30 Marks)			
Q 1	Classify NSAIDs with suitable examples and explain their mechanism of actions and clinical use.	15	CO4
Q 2	Explain the roles of thyroid hormones, parathormone and vit D.	5 + 5 + 5	CO2
Section D (2Qx10M=20 Marks)			
Q 1	Write classification, mechanism of actions and clinical uses of diuretics.	10	CO3
Q 2	Describe classification and mechanism of actions of antirheumatic drugs.	10	CO3