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Enrolment No:



UPES

End Semester Examination, December 2023

: V Semester

Course: Pharmacology-II Program: B.Pharm. Duration : 03 Hours

Course Code: BP 503T Max. Marks: 75

Instructions: Attempt all the sections

SECTION A (20Qx1M=20 Marks)

S. No.		Marks	COs
	Statement of question: Multiple choice questions or objective type questions	20	CO1
Q1	The mechanism of action of digoxin is a) Calcium channel inhibitor b) β-blocker c) Na/K ATPase inhibitor d) Potassium channel opener	1	CO1
Q2	Aliskerin is a a) ACE inhibitor b) Renin inhibitor c) ARB blocker d) Diuretic	1	CO1
Q3	Vitamin K can be used in a) Myocardial infarction b) Ischemia c) Thrombus formation d) Hemorrhage	1	CO2
Q4	The main side effects of diuretic could be	1	CO4
Q5	Prostaglandins can initiate a) Pain b) Inflammation c) Allergy d) All	1	CO4
Q6	Which of the following is selective COX-2 inhibitor? a) Aspirin b) Indomethacin c) Ibuprofen d) Celecoxib	1	CO1
Q7	Octreotide is an analog of a) Somatostatin b) Prolactin c) Dopamine d) Oxytocin	1	CO1
Q8	Which of the following is not a function of estrogen? a) Bone mass maintenance b) Uterus development c) Metabolism d) Male feature development	1	CO4
Q9	Bioassay is done to find out a) Chemical composition b) Potency of a drug c) Toxicity of a substance d) Physical status of a drug	1	CO3
Q10	Insulin preparations are given for a) Type 1 diabetes b) Type 2 diabetes	1	CO5

	c) Both a & b d) None of the above		
Q11	Calcitonin is secreted from	1	CO4
	a) Thyroid gland b) Parathyroid gland		
012	c) Both d) None of the above	1	CO2
Q12	Name a drug used for angina pectoris.	1	CO2
Q13	Define anabolic steroid.		CO5
Q14	Name a drug which prolong repolarization.	1	CO1
Q15	Provide an example of fibrinolytic.	1	CO2
Q16	Provide an example of loop diuretic.	1	CO2
Q17	Mention one use of H1 receptor antagonist.	1	CO1
Q18	Mention one contraindication of probenecid.		CO2
Q19	Name a biological agent used for rheumatoid arthritis.		CO1
Q20	Name a mineralocorticoid.	1	CO4
	SECTION B (20 Marks)		
	(2Qx10M=20 Marks)		
Attempt	2 Question out of 3	20	G0.4
0.1	Statement of question: Long answers type questions	20	CO4
Q1	Classify non-steroidal anti-inflammatory drugs (NSAID) with their		CO1,
	mechanism of actions, adverse effects, and uses.	10	CO2
Q2	Explain the anti-thyroid drugs classification with mechanism of		CO1
	actions, therapeutic uses, and adverse effects.	10	CO2
Q3	Depict the brief overview of coagulants, anticoagulants, fibrinolytics	(2.5x4=	CO1
	and anti-platelet drugs.	10)	CO2
	SECTION-C (35 Marks)		
Attomnt	(7Qx5M=35 Marks)		
Attempt	7 Question out of 9 Statement of question: Short answers type questions	35	CO5
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Q1	Outline the mechanism of action of pharmacology of ACE inhibitors.	3	CO1, CO2
Q2	State the mechanism of action and uses of thiazide diuretics.	5	CO1, CO2
Q3	Compare the pharmacological actions of serotonin and prostaglandin.	5	CO5
Q4	Outline the requirements and methods in the bioassay of insulin.	5	CO3
Q5	Discuss the toxicity of digoxin/digitoxin with its symptoms and methods to counter it.	5	CO4
Q6	Discuss the mechanism of action and the uses of HMG-CoA reductase	5	CO1
07	inhibitors.		00.5
Q7	Define plasma volume expanders with examples.	5	CO5
Q8	Describe the actions of hematinic with suitable examples and uses.	5	CO5
Q9	Depict the role of oral contraceptive and its types.	5	CO5