	Sanjay Ghodawat University, Kolhapur Established as State Private University under Govt. of Maharashtra. Act No XL, 2017	2023-24 EXM/P/09/00

Year and Program **T.Y.B. Pharm**	**School of Pharmaceutical Sciences**	**Department: Pharmacy**
Course Code: BP503T	**Course Title: Pharmacology-II**	**Semester – Sem V**
Date:23/12/ 2023 **Day:Saturday** **Time:10.30 to 1.30 pm**	**Examination: End Semester Examination**	**Max Marks: 75**

Instructions: 1) All questions are compulsory.
2) Draw a neat, labeled diagram if necessary.

			Marks	Bloom's Level	CLO
Q.1		**Objective Type Questions (20X1)**	**20**		
	a)	What does a common adverse effect of androgen use in males? a) Gynecomastia (enlarged breasts) b) Osteoporosis c) Hypoglycemia d) Insomnia	01	1	4
	b)	Hypothyroidism is associated with a deficiency of which hormone? a) Insulin b) Thyroxine (T4) c) Growth hormone d) Progesterone	01	1	4
	c)	Excess growth hormone in children can lead to which condition? a) Cushing's syndrome b) Gigantism c) Osteoporosis d) Type 2 diabetes	01	1	4
	d)	What is the therapeutic use of diclofenac? a) Treatment of hypertension b) Relief of pain and inflammation c) Management of allergies d)Management of pain	01	1	4
	e)	Probenecid is commonly used to treat which condition? a) Gout	01	1	4

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b) Asthma
c) Depression
d) Migraine

f)	What is the therapeutic use of prolactin? a) Treatment of insomnia b) Inducing milk production in lactating women c) Managing high blood pressure d) Enhancing muscle growth	01	1	4
g)	What category of substances do autacoids belong to? a) Prescription drugs b) Endogenous compounds acting locally c) Opioid analgesics d) antimicrobial agents	01	1	4
h)	Anabolic steroids are synthetic derivatives of which hormone? a) Insulin b) Estrogen c) Testosterone d) Thyroxine	01	1	4
i)	Which class of anti-hypertensive drugs is known to cause a persistent dry cough as a side effect? a) Beta-blockers b) ACE inhibitors c) Calcium channel blockers d) Diuretics	01	1	2
j)	b) Calcium channel blockers primarily affect: a) Heart rate b) Blood vessel tone c) Sodium excretion d) Plasma volume	01	1	2
k)	Class III anti-arrhythmic drugs mainly act by blocking: a) Sodium channels b) Potassium channels c) Calcium channels d) Beta receptors	01	1	2
l)	Beta-blockers are often used in angina management because they: a) Decrease myocardial oxygen demand b) Decrease myocardial oxygen supply c) Increase heart rate d) Dilate coronary arteries	01	1	2
m)	Which class of drugs helps reduce preload and afterload, improving heart failure symptoms? a) ACE inhibitors	01	1	2

Q.2

b) Beta-blockers
c) Diuretics
d) Anti-arrhythmics

n)	Statins, a common class of anti-hyperlipidemic drugs, primarily work by: a) Increasing LDL cholesterol b) Reducing triglycerides c) Increasing HDL cholesterol d) Reducing blood pressure	01	1	2
o)	Which lipid-lowering drug class may cause muscle pain or weakness as a side effect? a) Fibrates b) Bile acid sequestrants c) Niacin d) Statins	01	1	2
p)	Epinephrine is commonly used in shock because it: a) Increases blood pressure and heart rate b) Decreases blood pressure and heart rate c) Reduces blood clotting d) Promotes urine production	01	1	2
q)	Epinephrine is commonly used in shock because it. a) Increases blood pressure and heart rate b) Decreases blood pressure and heart rate c) Reduces blood clotting d) Promotes urine production	01	1	2
r)	Which type of shock is characterized by inadequate blood volume (hypovolemia)? a) Cardiogenic shock b) Septic shock c) Neurogenic shock d) Hypovolemic shock	01	1	3
s)	Warfarin is classified as a: a) Hematinic b) Coagulant c) Anticoagulant d) Diuretic	01	1	3
t)	Hemophilia is a bleeding disorder characterized by a deficiency of which clotting factor. a) Factor I b) Factor II c) Factor VIII d) Factor IX	01	1	3

Long Answers (Answer 2 out of 3) **20**

a)	Describe the types of arrhythmias on the basis of HR, origin & pathophysiological mechanism. Explain the pharmacology of drugs showing slowing down deporising rate in Phase 0	10	2	2

	b)	Classify Anabolic steroids. Explain MOA, BA, Therapeutic effects of anabolics.	10	3	4
	c)	Explain in detail Vasoactive peptides in terms of their synthesis, release, pharmacological actions, MOA of antagonists.	10	2	4
Q3		**Short Answer Questions.**	**35**	**Bloom's Level**	**CO**
	a)	What are autocoids? Describe humoral transmission of I)Histaminergic II) Serotonergic	05	2	4
	b)	What are eicosanoids? Explain detailed biosynthesis of Any two peptides I) Prostaglandin II) Leukotrienes III) Thromboxane	05	2	4
	c)	Classify in detail Oxytocic's & Tocolytics with Pharmacological & Mechanism of actions of each Class.	05	3	3
	d)	Classify & Describe sites & mechanisms of hormonal action.	05	3	4
	e)	What are Errors in bioassay? Give reasons, corrections of Errors of any one I) Biological II) Methodological	05	6	5
	f)	Describe Calcium Channel Blockers. Why calcium channel blockers are first line treatment on hypertension.	05	2	2
	g)	Classify in detail Antidyslipidemic agents with its Examples & MOA.	05	3	2
	h)	What are the requirements of an ideal plasma volume expander? Give the difference between Low & high molecular weight heparins.	05	3	3
	i)	Classify Sex steroids. Mention Non-Contraceptive health benefits of oral contraceptives.	05	3	4

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