		2019-20 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: 27 MAY 2024 **Day:** Monday **Time:** 02:00PM To 05:00PM	**Examination: End Semester**	**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 (10X2)**	**20**		
	a) What is the primary function of androgens and anabolic steroids?	2	1	4
	b) Which group of drugs includes estrogen, progesterone, and oral contraceptives?	2	1	4
	c) What is the primary use of drugs acting on the uterus?	2	1	4
	d) What is the main principle of bioassay?	2	1	5
	e) In bioassay, what is the purpose of assessing insulin or oxytocin?	2	1	5
	f) What is the primary function of d-tubocurarine in bioassay? What is the primary function of fibrinolytics?	2	1	5
	g) Which autacoid is associated with allergic reactions and inflammation?	2	1	3
	h) What is the primary role of leukotrienes in the body?	2	1	4
	i) Which hormone is primarily responsible for regulating the body's metabolism?	2	1	4
Q.2	**Long Answers (Answer 2 out of 3)**	**20**		
a)	Describe in detail Synthesis, Regulation, Physiology & pharmacology of Any one Hormone regulating Calcium balance. I)Parathyroid II) Calcitonin III) Calcitriol (Vitamin D)	10	2	4

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b)	Describe types of C.H.F on basis of cardiac output, Origin, Pathophysiological mechanisms & Describe Pharmacology of any one class. I) Ionotropic agents II) Sympathoplegics.	10	2	2
c)	Classify Antihyperlipidemics with examples & Explain the Pharmacology of Any two class. A) Statins B) Resins C) Fabrics Acid derivatives D) Triglyceride synthesis inhibitors E) Cholesterol Absorption Inhibitors	10	3	2

Q3	**Short Answers (Answer 7 out of 9)**	**35**	**Bloom's Level**	**CO**
a)	What are Uterine stimulants? Describe I)Ergot alkaloids II) Prostaglandins	05	2	4
b)	Explain DMARDs	05	2	4
c)	What are Autocoids? Explain detailed biosynthesis of Any two peptides. I)Prostaglandin II) Leukotrienes III) Thromboxane	05	2	4
d)	Classify in detail Antidysrhythmic agents.	05	2	2
e)	Describe Corticosteroids & Pharmacological & Physiological actions of Any one I) Mineralocorticoids II) Glucocorticoids.	05	2	4
f)	Classify Non-Selective COX inhibitors. Describe how they produce analgesic antipyretic, anti-inflammatory effect.	05	2	4
g)	Define bioassay. Give bioassay of any one enzyme I)Insulin II) Histamine	05	2	5
h)	Describe pyrogenic prostaglandins.	05	2	4
i)	Replenishing fluids which maintain volume of blood.	05	2	3

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