	Sanjay Ghodawat University, Kolhapur Established as State Private University under Govt. of Maharashtra. Act No XL, 2017	2019-20 EXM/P/09/00
Year and Program F. Y. B. Pharmacy 2019-20	School of Pharmaceutical Sciences	Department : Pharmacy
Course Code : BP101T	Course Title: Human Anatomy and Physiology-I	Semester – I
Date: 4/12/19 Day : Wednesday Time:	Examination: End Semester	Max Marks: 75 10.30am to 1.30 pm.

Instructions: 1) All questions are compulsory; however there may be internal choice

2) Draw a neat labeled diagram wherever necessary.

3) Marks column indicate full marks allotted to respective question

			Marks	Bloom's Level	CO
Q.1		Objective Type Questions			
	a)	Describe epithelial tissue	02	L2	2
	b)	Explain Renin angiotensin system to regulate blood pressure.	02	L2	1
	c)	Define cardiac output, blood pressure, systole, diastole	02	L1	2
	d)	Describe the functions of blood.	02	L2	2
	e)	Explain types of bones.	02	L2	1
	f)	Draw a well labeled diagram of Synovial joint.	02	L3	4
	g)	Explain process of erythropoiesis.	02	L2	1
	h)	Describe the components of a cell in brief.	02	L2	2
	i)	Draw a neat labeled diagram of neuron.	02	L3	4
	j)	Describe how baroreceptors play an important role in the control of blood pressure	02	L2	2
Q.2		Long Answers (Answer 2 out of 3)			
	a)	Explain salient features & functions of axial skeleton	10	L2	1
	b)	Define Anemia. Discuss in detail types of anemia.	10	L1	2
	c)	Illustrate the anatomy and physiology of components of eye or ear with neat labeled diagram	10	L3	4
Q3		Short Answers (Answer 7 out of 9)			
	a)	Explain ABO & Rh blood group system.	05	L2	2

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b)	Describe about the types of joints.	05	L2	2
c)	Discuss about the mechanism of coagulation of blood.	05	L2	2
d)	Describe the structure of the skin?	05	L2	2
e)	Differentiate between sympathetic and parasympathetic nervous system	05	L4	4
f)	Explain about the conducting system of the heart	05	L2	1
g)	Discuss functions of lymphatic organs & tissues	05	L2	2
h)	Explain in detail silent features & functions of vertebral column	05	L2	1
i)	Describe in detail disorders of heart.	05	L2	2