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 **2020-21 F.Y.B.Pharmacy**	**School of Pharmaceutical Sciences**	**Department : Pharmacy**
Course Code : **BP101T**	**Course Title :Human Anatomy and Physiology - I**	**Semester – I**
Date: **Day :** **Time:**	**Examination: End Semester**	**Max Marks: 50**

Instructions: **1) All the questions are compulsory.**

2) Draw the diagrams wherever necessary.

3) Figures to the right indicates full marks.

			Marks	Bloom's Level	CO
Q.1		Objective Type Questions (Any Seven)	**14**		
	a)	Explain blood group or ABO system.	02	L2	2
	b)	Draw a neat labelled diagram of neuron.	02	L3	4
	c)	Define skeletal system and enlist various types of bones present in human body.	02	L1	2
	d)	Define cell and draw a neat labelled diagram of cell.	02	L1	1
	e)	Define tissue and classify epithelial tissue.	02	L1	1
	f)	Define blood pressure and name the factors affecting blood pressure.	02	L1	2
	g)	Illustrate the functions of mitochondria.	02	L3	1
	h)	Name the different components of cell.	02	L1	1
	i)	Explain a typical rib with well labeled diagram.	02	L2	2
	j)	Define blood, heart rate, pulse, cardiac output.	02	L1	2
Q.2		Long Answers (Answer 2 out of 3)	**15**		
	a)	Explain the anatomy and physiology of ear or nose.	7.5	L2	2
	b)	Describe the systemic circulation of blood throughout the heart and explain disorders of cardiovascular system.	7.5	L2	2
	c)	Illustrate the structure and functions of skin in detail.	7.5	L3	2
Q3		Short Answers (Answer 7 out of 9)	**21**		
	a)	Define joints and classify it with examples of each class.	03	L1	2
	b)	Explain various disorders of blood.	03	L2	3

c)	Give the origin and functions of cranial nerves.	03	L2	2
d)	Explain homeostasis with its mechanism.	03	L2	4
e)	Explain Lymphatic system in brief.	03	L2	2
f)	Describe the mechanism of coagulation of blood.	03	L2	3
g)	Draw a neat labeled diagram of heart and describe the structure.	03	L3	4
h)	Illustrate the composition and functions of blood	03	L3	3
i)	Differentiate between sympathetic nervous system and parasympathetic nervous system.	03	L4	2