

C.U.SHAH UNIVERSITY

Summer Examination-2020

Subject Name: Human Anatomy and Physiology I - Theory

Subject Code: BP101T

Branch: B.Pharm

Semester : 1

Date : 24/02/2020

Time : 02:30 To 05:30

Marks : 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1	Attempt the following questions:	(20)
	a) What is correlation of Cardiac output and blood pressure?	2
	b) Define blood pressure with normal values	2
	c) Explain the term: anemia	2
	d) Name any two ball and socket joints	2
	e) Name 4 th and 8 th cranial nerves	2
	f) Explain homeostasis in brief	2
	g) Enumerate components of blood plasma	2
	h) Define: angina and arrhythmias	2
	i) Define hemophilia and leukemia	2
	j) What is difference B/W paracrine and endocrine signaling?	2
Q-2	Attempt any two of following :	(20)
	A Discuss cardiac cycle in detail	10
	B Classify bones. Explain any two appendicular and axial bones in detail	10
	C Draw neat labeled diagram of heart. Explain ECG in detail	10
Q-3	Attempt any Seven of following :	(35)
	A Explain ABO and Rh blood group systems in detail	5
	B Classify and explain different types of joints	5
	C Discuss physiology of muscle contraction	5
	D Draw and explain components of eyeball	5
	E Explain structure and functions of skin	5
	F Discuss different transport mechanisms across cell membrane	5
	G Draw neat labeled diagram of cell. Explain each components in brief	5
	H Classify tissues. Draw neat labeled diagram of nervous tissue	5
	I Explain hematopoiesis in detail	5

