Seat No.:	Enrolment No.
Sear NO.	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. - SEMESTER - I • EXAMINATION - SUMMER • 2014

Subject Code: 210007 Date: 13-06-2014			
Subj	Subject Name: Human Anatomy Physiology and Health Education-I		
•		0 pm - 05.30 pm Total Marks: 80	
	ictions:		
	1. At	tempt any five questions.	
		ake suitable assumptions wherever necessary.	
		gures to the right indicate full marks.	
Q.1	(a)	Classify tissues. Write a note on epithelial tissues.	06
	(b)	What is clot? Write in brief on process of clot formation.	05
	(c)	Write a note on lymph.	05
Q.2	(a)	Describe structure and functions of plasma membrane.	06
	(b)	Write in brief on pancreas.	05
	(c)	Describe composition and process of bone formation.	05
Q.3	(a)	Draw and describe cardiac cycle.	06
•	(b)	Write anatomy and physiology of spleen.	05
	(c)	Classify joints. Write in brief on each type of joint.	05
Q.4	(a)	Explain process of RBC generation from bone marrow.	06
•	(b)	Write on types and functions of WBC.	05
	(c)	Describe process of protein synthesis inside cells.	05
Q.5	(a)	Write in details on functions of liver.	06
	(b)	Explain phases of cell cycle.	05
	(c)	Differentiate acquired and innate immunity.	05
Q. 6	(a)	Write anatomy and physiology of heart with necessary diagram.	06
	(b)	Explain physiology of skeletal muscle contraction.	05
	(c)	Describe process of digestion and absorption of carbohydrates.	05
Q.7	(a)	Enlist functions of blood.	06
_	(b)	Explain role of renin angiogensin system in regulation of blood	05
		pressure.	
	(c)	Define following terms:	05
		Angina pectoris	
		Homeostasis	
		Leucopenia	
		Hypersensitivity	
		Mitochondria	
