

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. – SEMESTER – I • EXAMINATION – SUMMER • 2014

Subject Code: 210007

Date: 13-06-2014

Subject Name: Human Anatomy Physiology and Health Education-I

Time: 02.30 pm - 05.30 pm

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures 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 angiotensin system in regulation of blood pressure.	05
	(c) Define following terms: Angina pectoris Homeostasis Leucopenia Hypersensitivity Mitochondria	05
