

GUJARAT TECHNOLOGICAL UNIVERSITY**B.PHARM- SEM-I-EXAMINATION – JUNE 2012****Subject code: 210007****Date: 23/06/2012****Subject Name: Human Anatomy Physiology & Health Education-I****Time: 10:30 am – 01:30 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) Explain cell cycle in detail.	06
	(b) Give structure and composition of bone.	05
	(c) Write a note on Erythropoiesis.	05
Q.2	(a) Discuss transport mechanisms across the cell membrane.	06
	(b) Classify tissues and write a note on them.	05
	(c) Enlist different types of joints. Write a note on synovial joints.	05
Q.3	(a) Explain different types of anaemia.	06
	(b) Explain mechanisms of blood clot formation.	05
	(c) Write a note on pulmonary circulation.	05
Q.4	(a) Explain generation of action potential at nerve terminal.	06
	(b) Classify WBCs and write their physiology.	05
	(c) Write a note on salivary glands.	05
Q.5	(a) Explain physiology of liver.	06
	(b) Write a note on cardiac output.	05
	(c) Draw a labeled diagram of neuron.	05
Q.6	(a) Explain cardiac cycle.	06
	(b) Describe methods of blood pressure measurement.	05
	(c) Draw a labeled diagram of internal structure of heart.	05
Q.7	(a) Explain different types of allergy.	06
	(b) Write formation and functions of lymph.	05
	(c) Write a note on reticulo-endothelial system.	05
