Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Pharmacy First Year Examination June 2009

•	ect code 26/06/2	Subject Name: Human Anatomy & Physiolo Time: 11:30am-2:30pm Total Marks: 80	ogy
1. 2.	Make		
Q.1			
	(a)	Define cell. Draw and label its diagram. Name the functions of	05
Q.2	(b)	nucleus, mitochondria and lysozome. Define tissue. Classify it. Describe the functions of epithelial tissue. Describe process of coagulation of blood.	05 06
Q. 2	(a) (b)	Differentiate between : artery and vein Define muscle. Classify muscle tissue. Describe the property of voluntary muscle.	05 05
Q.3	(c)	Define neuron and nerve fibre. Describe the difference between afferent nerve and efferent nerve.	06
Q.U	(a)	Draw and label internal structure of human heart. Describe pulmonary circulation.	06
Q.4	(c)	Draw and label the diagram of lungs. Describe its functions. Draw and label salivary glands. Describe its functions.	05 05
Q. 7	(a) (b) (c)	Draw and label diagram of stomach. Describe its functions. Draw and label diagram of liver. Describe its functions. Draw and label diagram of nephron. Describe the mechanism of urine formation.	05 05 06
Q.5	(a)	Describe renin angiotensin system for blood pressure regulation in	05
Q. 6	(c)	kidney. Draw and label diagram of spinal cord. Describe its function. Describe functions of cerebral cortex.	05 06
Q. U	(a) (b)	Describe formation and functions of thyroid hormones. Name the hormones secreted from anterior pituitary gland. Describe functions of growth hormone.	06 05
Q.7	(c)	Define reflex action. Classify it. Give few examples of conditional and unconditional reflexes.	05
U .1	(a) (b)	Draw and label eye ball. Describe the functions of eye. Draw and label internal structures of ear. Describe its functions.	06 05

05

Describe the functions of testis.

(c)