Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER II • EXAMINATION – WINTER 2015 Subject Code: 2220004

•		de: 2220004 Date: 17/12	2/2015
Time		me: Human Anatomy Physiology II pm to 5.30 pm Total Marks:	80
	Attemp Make s	ot any five questions. Suitable assumptions wherever necessary. So to the right indicate full marks.	
Q.1	(a) (b) (c)	Enlist the part of fore brain. Explain reticular formation. Explain physiology of vision. Describe internal respiration.	06 05 05
Q.2	(a) (b)	Draw well label diagram of male reproductive system. Explain role of their accessory organs. What is reflex action and explains its types.	06 05
	(c)	Physiology of olfaction.	05
Q.3	(a)	Explain the followings (1) Alzheimer disease (2) Infertility (3) Otitis media	06
	(b) (c)	Synthesis, release and function of thyroid hormones. What is chloride shift? Explain control and regulation of respiration.	05 05
Q.4	(a) (b)	Explain structure and function of kidney. Define neurotransmitter. Explain synthesis, release and hydrolysis of Acetylcholine.	06 05
	(c)	Discuss disorders of adrenal gland.	05
Q.5	(a)	Draw a well label diagram of internal structure of eye. Explain refraction abnormalities.	06
	(b) (c)	Discuss physiological role of posterior pituitary hormones Generation and propagations of nerve action potential.	05 05
Q. 6	(a) (b) (c)	Classify nervous system. Explain Autonomic nervous system. Define diabetes. Explain role of pancreatic hormones. Short notes on (1) Hormones of ovary (2) Epilepsy	06 05 05
Q.7	(a) (b) (c)	Draw well label diagram of neuron and explain its properties. What is COPD? Explain respiratory volumes. Define or explain in short following terms (any five) (1) Hypoxia (2) Emphysema (3) Meningitis (4) Dementia (5) Glaucoma (6) MTP	06 05 05
