GUJARAT TECHNOLOGICAL UNIVERSITY BPHARM – SEMESTER II • EXAMINATION – WINTER - 2013 Subject code: 220007 Date: 24-12-2013 Subject Name: Human Anatomy Physiology and Health Education-II Time: 10:30 am to 01:30 pm Time: 10:30 am to 01:30 pm Total Marks: 70 Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. Q.1 (a) Describe physiology of hearing (b) Draw a labeled diagram of male reproductive system

	(b)	Draw a labeled diagram of male reproductive system.	05
	(c)	Write mode of transmission, prevention and treatment of Cholera.	05
Q.2	(c) (a) (b) (c)	Write effect of Ach on the following : Eye, Gastric secretion, Heart Describe first aid treatment for snakebite and discuss cardiac resuscitation method. Describe mechanism of calcium regulation by various hormones.	06 05 05
Q.3	(a)	Write functions of hypothalmus	06
	(b)	Differentiate between Autonomic nervous system and Somatic nervous system	05
	(C)	Write various methods used for family planning	05
Q.4	(a)	Describe in detail physiology of urine formation.	06
	(b)	Draw labeled diagram of cross section of Eye.	05
	(c)	Write short note on menstrual cycle.	05
Q.5	(a) (b) (c)	 Write short note on Medulla oblongata. Discuss reasons of sympathetic stimulation longer lasting and wide spread as compare to parasympathetic stimulation. Describe briefly types of sympathetic ganglia. Differentiate between the followings: Spatial summation and Temporal summation EPSP and IPSP 	06 05 05
Q. 6	(a)	Explain the role of nervous system in control of breathing.	06
	(b)	Describe demography cycle	05
	(c)	Explain mechanism and importance of myelination in nervous system	05
Q. 7	(a)	 Explain following terminologies briefly 1) Chronic obstructive pulmonary disease 2) Renal calculi 3) Diabetes mellitus 	06
	(D) (C)	What is reflex action and describe various components of reflex arc. Write functions of pituitary gland.	05 05

06