Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITYB.Ph SEM-II Examination- Dec.-2011

Subject code: 220004 Date: 20/12/2011

Subject Name: Anatomy Physiology and Health Education-II

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)	Draw and label a nephron. Explain the counter current	06
	(c)	multiplier system Discuss -Prevention is better than cure. Define Vital capacity, Myopia, Colour blindness, Metabolic acidosis, Endemic.	05 05
Q.2	(a)	Draw a labeled diagram of a neuron. Explain electrical transmission in the nerve.	06
	(c)	Explain clinical symptoms, spread and prevention of typhoid fever. Define menstruation and explain its physiology.	05 05
Q.3	(a)	Enumerate air borne diseases. How are they transmitted and state their immunization schedule	06
	(c)	Discuss first aid treatment of shock and snake bite Explain the physiology of hearing, balance and equilibrium	05 05
Q.4	(a) (b) (c)	Classify endocrine glands and state their functions. Signify the terms-;Neurotransmitters,Placenta Define reflex action. Explain propagation through reflex arc, classifying its types.	06 05 05
Q.5	(a)	Define respiration. Explain in detail mechanism of internal respiration	06
	(c)	Discuss the feedback mechanism regulating hormone secretion Enumerate cranial nerves stating their functions	05 05
Q. 6 (a	(a)	Detail biosynthesis, transport and metabolism of adrenocortical hormones	06
	(b)	Autonomic Nervous System balances physiological functions- Discuss.	05
	(c)	Explain the terms-Calculi; Gerontology	05
Q.7	(a)	Explain the following terms-Cretinism; Addison's disease;	06
	(c)	Gestational diabetes Detail anatomy of the cerebrum stating the respective function. Draw and label male reproductive system. Explain the process of spermatogenesis	05 05
