Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **BPHARM – SEMESTER I • EXAMINATION – SUMMER - 2013**

Subject code: 220004 Date: 03-06-2013

**Subject Name: Anatomy Physiology and Health Education** 

Time: 02:30 pm to 05:30 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) (b)	Explain in detail physiology of respiration & discuss factors affecting it Discuss different long volumes to assess functional efficiency of respiratory system	06 05
	(c)	Elaborate Chronic Bronchitis & Tuberculosis diseases	05
(b)	(a)	Draw a well labeled diagram of typical neuron	03
	(c)	Classify neurons Explain the process of Generation and propagation of Nerve action potential	03 05
	(d)	Write a brief overview of various types of neurotransmitters	05
Q.3	(a) (b) (c)	Discuss the detail internal & external anatomy of spinal cord with figure Draw a well labeled diagram of internal structure of brain Discuss the functions of hypothalamus	06 05 05
Q.4	(a) (b) (c)	Explain the physiology of Hearing Draw a well labeled diagram of eyeball Write a brief outline of Parkinson's disease & refraction abnormalities	06 05 05
Q.5	(a) (b) (c)	Explain the physiology of Urine formation Describe the detail anatomy of kidney Describe anatomy and physiology of urinary bladder	06 05 05
Q. 6	(a) (b) (c)	Describe the location, hormones & functions of thyroid gland Describe the location, hormones & functions of anterior pituitary gland Describe the regulation of secretion and actions of anti-diuretic hormone (ADH)	06 05 05
Q.7	(a) (b)	Explain the detail process of spermatogenesis with diagram Describe the location, structure and functions of female reproductive organs	06 05
	(c)	Discuss the various contraceptive methods  ***********************************	05