Seat No.:	Enrolment No.
Seat NO:	Hnroiment No
Deat 110	Emonitary.

GUJARAT TECHNOLOGICAL UNIVERSITY

BPHARM – SEMESTER II • EXAMINATION – WINTER • 2014 Subject code: 220007 Date: 05-12-2014 Subject Name: Human Anatomy Physiology and Health Education-II Time: 02:30 pm - 05:30 pm Total Marks: 80 Instructions:

- 1. Attempt any five questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

0.1	(a)	Differentiate between a) Sympathetic and Parasympathetic system	06
	. ,	b) Artery and Vein Explain the effect of sympathetic stimulation on following organs – Heart,	05
		Eye, Salivary glands. Explain the physiology of Nerve conduction. Give the functions of Hypothalamus.	05
Q.2	(a)	Explain the following with significance: any three 1. EEG 2. FEV ₁ 3. EPSP 4. ACTH	06
	, ,	Draw a neat and labeled diagram of the Human Eye. Write a note on physiology of Hearing.	05 05
Q.3		Explain the Physiology of Urine formation.	06
	(b) (c)	Enumerate hormones of Pituitary. Write a note on Growth hormone. Enumerate hormones of Pancreas. Describe the functions of Insulin.	05 05
Q.4	(a)	Explain the following in brief: any three 1. Urolithiasis 2. Goitre 3. Alzheimer's disease 4. Botulinism	06
	(b)	1. Urolithiasis 2. Goitre 3. Alzheimer's disease 4. Botulinism Give the causative agent, mode of spread and prophylaxis/treatment for following: any five 1. Polio 2. Diptheria 3. Rabies 4. Typhoid 5. Influenza 6. Tetanus	10
Q.5	(a)	Describe the various methods of Family planning.	06
		Elucidate the First Aid treatment for Burns and Poisoning. Define Health. Explain in brief CPR.	05 05
Q. 6		Outline the functions of Limbic System and Medulla oblongata.	06
	` ′	Write a note on Neurotransmitters.	05
	(c)	Elucidate the physiology of Reflex.	05
Q.7	` '	Explain the mechanism and regulation of Respiration.	06
	, ,	Enumerate respiratory disorders. Write a note on Asthma.	05
	(c)	Explain the stages of Menstrual Cycle.	05
