Seat No.:	Enrolment No

## GUJARAT TECHNOLOGICAL UNIVERSITY

BPHARM – SEMESTER II (OLD Syllabus) • EXAMINATION – SUMMER • 2015 Subject code: 220007 Date: 06-06-2015 Subject Name: Human 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. Fig	ures to the right indicate full marks.	
Q.1	(a)	Explain following terms:  1. Asthma  2. Urolithiasis  3. Spermatogenesis	06
	(b) (c)	<ul><li>4. Typhoid fever 5. Meningitis 6. Alzheimer's disease Discuss the mechanics and mechanism of respiration.</li><li>Write a note on physiology of hearing.</li></ul>	05 05
Q.2	(a)	Draw a neat and labeled diagram of nephron. Explain in brief about physiology of urine formation.	06
	<b>(b)</b>	Discuss in detail about formation and functions of thyroid hormones.	05
	<b>(c)</b>	Write a note on physiology of ageing.	05
Q.3	(a)	Explain the physiology of nerve conduction. Give the functions of Medulla oblongata.	06
	(b) (c)	Draw a labeled diagram of eye. Write about physiology of vision. Write a note on anatomy of trachea and lungs.	05 05
Q.4	(a)	Enlist hormones secreted from pancreas. Write in detail about functions of insulin.	06
	(b) (c)	Discuss about structure and functions of hypothalamus. Write a note on reflex action.	05 05
Q.5	(a) (b)	Enumerate different parts of brain. Write in detail about cerebrum. Write down difference between parasympathetic and sympathetic	06 05
	(c)	system. Write a brief note on any two vaccines useful for the prevention of infectious disease.	05
Q. 6	(a)	Draw a labeled diagram of female reproductive system. Write a note on physiology of menstruation.	06
	(b) (c)	Describe the various non-surgical methods of family planning. Write a note on electroencephalogram (EEG).	05 05
Q.7	(a)	Write causative organism, mode of transmission, symptoms and preventive measures of Cholera.	06
	(b) (c)	Discuss in detail about anatomy of male reproductive system.  Write a note on first aid treatment of poisoning.  ***********************************	05 05