Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BPHARM – SEMESTER II • EXAMINATION – WINTER • 2016

Subject code: 220007 Date: 09-01-2017 Subject Name: Human Anatomy Physiology and Health Education-II Time: 02:30 pm - 05:30 pm Total Marks: 80

Instructions:

1.	Attem	ot anv	five	questions.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a)	Explain reflex action of spinal cord with neat and labeled diagram of reflex arch. Classify different types of reflex action.	06		
	(b) (c)	Write about mechanism and regulation of Respiration. Write a short note on Family Planning.	05 05		
Q.2	(a)	Write causative agent of following. 1) Chicken Pox 2) Cholera 3) Measles 4) Teatanus 5) Poliomyelitis 6) Rabies	06		
	(b) (c)	Classify nervous system. Discuss physiological role of each division. Draw well labeled diagram of eye.	05 05		
Q.3	(a) (b) (c)	Describe in detail the process of urine formation. Explain physiology of hearing and equilibrium balance. Draw and label male reproductive system.	06 05 05		
Q.4	(a) (b) (c)	Discuss mode of transmission and preventive measures of Malaria. Draw a labeled diagram of functional unit of kidney. Enlist parts of Fore brain. Write functions of Hypothalamus.			
Q.5	(a)	Enumerate hormones of Pituitary gland. Write a note on anterior pituitary gland hormones.	06		
	(b)	Draw a neat and labeled diagram of brain and Describe in detail the medulla oblongata.	05		
	(c)	Write short note on Menstrual cycle.	05		
Q. 6	(a) (b)	Explain: (i) EPSP (ii) Neurotransmitter (iii) Alzheimer's disease Explain the following terms - Addison's disease, Cretinism, Addison's disease; Gestational diabetes, Renal calculi	06 05		
	(c)	Write composition and functions of CSF.	05		
Q.7	(a) (b) (c)	Write a note on respiratory volumes. Write actions and disorder related to Insulin Classify burns. Write first aid treatment of burns.	06 05 05		
