

GUJARAT TECHNOLOGICAL UNIVERSITY**BP Pharm – SEMESTER II • EXAMINATION – SUMMER - 2013****Subject code: 220007****Date: 03-06-2013****Subject Name: Human Anatomy Physiology and Health Education-II****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) Write about mechanism and regulation of respiration.	06
	(b) Describe physiology of hearing with suitable diagram.	05
	(c) Differentiate between sympathetic system and parasympathetic system.	05
Q.2	(a) Draw a neat and labeled diagram of brain and enumerate function of each part.	06
	(b) Write a note on electroencephalogram (EEG).	05
	(c) Write a note on respiratory volumes.	05
Q.3	(a) Write a note on adrenal secretions.	06
	(b) Write a note on reflex action.	05
	(c) Explain the terms: glaucoma & renal calculi	05
Q.4	(a) Explain the physiology of urine formation.	06
	(b) Write functions and disorder related to insulin.	05
	(c) Explain the physiology of nerve excitation and conduction.	05
Q.5	(a) Describe different phases of menstrual cycle.	06
	(b) Explain accommodation of light and write functions of skin.	05
	(c) Write in detail about structural and functional unit of kidney.	05
Q. 6	(a) Explain the mode of transmission, prevention and treatment of influenza.	06
	(b) Draw a labeled diagram of female reproductive system.	05
	(c) Describe in detail the symptoms and treatment of typhoid fever.	05
Q.7	(a) Discuss anatomy and physiology of thyroid gland.	06
	(b) Describe first aid treatment of burns.	05
	(c) Enlist the methods of birth control. Write an importance of family planning.	05
