Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM- SEM-II–EXAMINATION – JUNE 2012

Subject code: 220007 **Date: 18/06/2012**

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. **Figures to the right indicate full marks.**

Q.1	(a)	Explain electrical transmission in the nerve and factors affecting it	**06**
	(b)	Describe physiology of urine formation	**05**
	(c)	Enumerate water borne diseases. Write prevention and treatment of Typhoid	**05**
Q.2	(a)	Draw and label diagram of cross section of eye. Write functions of various parts of eye	**06**
	(b)	Enlist hormones of adrenal gland. Write functions of aldosterone	**05**
	(c)	Describe functions of hind brain	**05**
Q.3		Write a short note on following i) Acid base balance ii) Reflex action iii) Concept of Health iv) Thyroid dysfunctions	**16**
Q.4	(a)	Draw and label diagram of Female reproductive system. Explain physiology of menstruation	**06**
	(b)	Describe physiology of balance and equilibrium	**05**
	(c)	Write first aid treatment of burns	**05**
Q.5		Write difference between following i) Sympathetic and parasympathetic nervous system ii) Anterior and posterior pituitary gland iii) Spermatogenesis and oogenesis iv) Cerebrum and cerebellum	**16**
Q. 6	(a)	Explain mechanism and regulation of respiration	**06**
	(b)	Enlist methods of birth control. Write a note on surgical methods of birth control	**05**
	(c)	Enumerate hormones of pancreas. Write functions of insulin	**05**
Q.7		Explain following terms i) Electroencephalogram ii) Vital capacity iii) Cushing syndrome iv) Limbic system v) Meningitis vi) Cataract vii) Asthma viii) Tetanus	**16**

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