Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BPHARM – SEMESTER – II • EXAMINATION – WINTER 2012

Subject code: 220007 **Date: 10-01-2013**

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 following terms: 1. Meningitis 2. Renal calculi 3. Cushing's syndrome 4. Asthma 5. Amenorrhea 6. Typhoid fever	**06**
	(b)	Draw a labeled internal diagram of eye ball. Write in detail about various disorders of eye.	**05**
	(c)	Write a short note on cerebrum.	**05**
Q.2	(a)	Enlist different parts of brain. Write in detail about medulla oblongata.	**06**
	(b)	Discuss the process of electrical transmission of nerve impulse in nerve fibers.	**05**
	(c)	Write a note on cerebro-spinal fluid (CSF).	**05**
Q.3	(a)	Enlist hormones secrted from anterior pitutary gland. Write in detail about Growth hormone.	**06**
	(b)	Draw a labeled diagram of spinal cord. Write its function in detail.	**05**
	(c)	Write a note on mechanics and mechanism of respiration.	**05**
Q.4	(a)	Draw a labeled diagram of female reproductive system. Write a note on physiology of menstruation.	**06**
	(b)	Discuss anatomy of trachea and lungs in detail.	**05**
	(c)	Write a note on functions of testis.	**05**
Q.5	(a)	Draw a labeled diagram of nephron. Write in detail about physiology of urine formation.	**06**
	(b)	Discuss about structure and functions of hypothalamus.	**05**
	(c)	Write a note on benefits of family planning.	**05**
Q. 6	(a)	Write causative organism, mode of transmission, symptoms and preventive measures of cholera.	**06**
	(b)	Explain in detail about formation and functions of thyroid hormones.	**05**
	(c)	Write a note on first aid treatment of poisoning.	**05**
Q.7	(a)	Draw a labeled diagram of ear. Write in detail about physiology hearing.	**06**
	(b)	Define communicable disease. Write a note on plague.	**05**
	(c)	Write a short note on: 1. Acid-Base balance 2. Physiology of ageing	**05**

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