

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 **16**  
i) Acid base balance ii) Reflex action  
iii) Concept of Health iv) Thyroid dysfunctions
- 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 **16**  
i) Sympathetic and parasympathetic nervous system  
ii) Anterior and posterior pituitary gland  
iii) Spermatogenesis and oogenesis  
iv) Cerebrum and cerebellum
- 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 **16**  
i) Electroencephalogram ii) Vital capacity iii) Cushing syndrome  
iv) Limbic system v) Meningitis vi) Cataract  
vii) Asthma viii) Tetanus

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