

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem-II examination June 2009

Subject code: 220004

Subject Name: APHE-II

Date: 11/06/2009

Time: 11:30am-2:30pm

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) Define Blood pressure. Discuss various methods for measurement of blood pressure and various factors affecting blood pressure **06**  
(b) Define Nervous system. Write the difference between Parasympathetic nervous system and Sympathetic nervous system. **06**  
(c) Write a note on medulla oblongata. **04**
- Q.2** (a) Draw a neat and labeled diagram of Eye. Explain the Physiology of Vision. **06**  
(b) Define Cardiac cycle. Describe each event in detail. How it correlates with ECG ? **06**  
(c) Draw and Explain Male reproductive system. **04**
- Q.3** (a) Draw a neat labeled diagram of Heart. Describe Anatomy and Physiology of Heart. **06**  
(b) Explain the Physiology of Urine formation. **06**  
(c) Draw a neat and labeled diagram of functional unit of kidney **04**
- Q.4** Write Short Notes on following  
(a) Cranial nerve **04**  
(b) Electroencephalogram **04**  
(c) Menstrual cycle **04**  
(d) Internal respiration **04**
- Q.5** Explain the following disease with its clinical features  
(a) Goitre **04**  
(b) Glaucoma **04**  
(c) Asthma **04**  
(d) Renal Calculi **04**
- Q. 6** (a) Enumerate hormones of Adrenal gland and explain their physiological role in the body **06**  
(b) Draw a neat and labeled diagram of Brain. Write the function of Hypothalamus. **06**  
(c) Structure and function of skin **04**
- Q.7** Explain the following terms **16**  
(a) Neurons (b) Action Potential  
(c) Pheromones (d) Neurotransmitter  
(e) Hormones (f) CSF  
(g) Photoreceptors (h) Endocrine gland

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