

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem-II Remedial Examination Nov/ Dec. 2010

Subject code: 220004

Subject: Anatomy, Physiology & Health Education-II

Date: 04/ 12/ 2010

Time: 10:30a.m -01:30p.m

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 or Explain following terms **06**
(i) Vital capacity (ii) Congestive cardiac failure (iii) Myopia
(iv) Calculi (v) Addison's disease (vi) Goitre
- (b) Describe physiology of Hearing with suitable diagram. **05**
- (c) Differentiate between Sympathetic system and Parasympathetic system. **05**
- Q.2** (a) Describe formation, storage and release of Thyroid hormones. **05**
- (b) Write about mechanism and regulation of Respiration. **05**
- (c) Explain reflex action of spinal cord with neat and labeled diagram of reflex arch. Classify different types of reflex action. **06**
- Q.3** Write short notes on following (**Any Four**) **16**
- (a) Cardiac cycle (b) Posterior pituitary hormones
- (c) Functions of skin (d) Testosterone
- (e) Physiology of aging
- Q.4** (a) Define: Systolic pressure and Diastolic pressure. Describe how blood pressure is regulated? **06**
- (b) Draw neat and labeled diagram of cross section of human eye. Explain accommodation of light. **06**
- (c) Give functions of Glucocorticosteroids. **04**
- Q.5** (a) Describe in detail the process of urine formation. **06**
- (b) Write about functions and disorders of growth hormone. **06**
- (c) Describe phases of Menstruation. **04**
- Q. 6** (a) Write about special junctional tissues of the heart. **04**
- (b) Explain anatomy of male reproductive system with neat and labeled diagram. **04**
- (c) Enlist parts of Hind brain. Write functions of Hypothalamus. **04**
- (d) Discuss: Exchange of gases at lung and tissue level during respiration. **04**
- Q.7** (a) Write actions and disorder related to Insulin. **06**
- (b) Write a note on Cranial nerves. **05**
- (c) Explain Internal structure of heart with neat and labeled diagram. **05**
