

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem-II Remedial Examination September 2009

Subject code: 220004

Subject Name: ANATOMY PHYSIOLOGY & HEALTH EDUCATION-II

Date: 10/09/2009

Time: 10.30am- 1.30 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** Attempt the following
- (a) With a neat labeled diagram discuss the different functional areas of cerebrum **08**
- (b) Define blood pressure? Discuss the factors regulating blood pressure **08**
- Q.2** Discuss the structure and functions of the following (**Any Four**) **16**
- (a) Trachea (b) Medulla oblongata
(c) Ovary (d) Skin (e) Nephron.
- Q.3** Attempt the following (**Any Eight**) **16**
- (a) Starling law of the heart (b) Alzheimer's disease
(c) spermatogenesis (d) Inspiratory reserve volume
(e) chloride shift (f) cardiac cycle
(g) Growth Hormone. (h) Write the location and function of baroreceptor
(i) Diabetes mellitus (j) components of middle ear
- Q.4** Attempt the following
- (a) Discuss in detail the Renin-Angiotensin system and its significance **08**
- (b) Write a note on menstruation cycle **04**
- (c) Differentiate between autonomic and peripheral nervous system. **04**
- Q.5** Attempt the following
- (a) Discuss the secretions, regulation and functions of the hormones of thyroid gland **06**
- (b) Briefly discuss the mechanism of respiration **04**
- (c) Write a note on E.C.G and its significance **06**
- Q. 6** Attempt the following
- (a) Discuss in detail the physiology of vision **08**
- (b) Draw a neat labeled diagram of the male reproductive system **03**
- (c) With a neat labeled diagram discuss the conducting system of the Heart **05**
- Q.7** Attempt the following
- (a) Describe the physiology of ageing **06**
- (b) Describe the synthesis and metabolism of nor adrenaline **04**
- (c) Name the hormone stored in posterior pituitary gland. Explain the functions of each of these hormones **06**
