

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**
