

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem-II Examination June 2010

Subject code: 220004

Subject Name: Anatomy Physiology and Health Education-II

Date: 18 / 06 / 2010

Time: 02.30 pm – 05.30 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) Discuss baro-receptor reflex and its physiological importance. 05
(b) Discuss physiology of urine formation. 05
(c) Classify nervous system. Discuss physiological role of each division. 06
- Q.2 (a) Explain action potential of a neuron. 05
(b) Draw well-labeled diagram of eye. Write a note on retina. 05
(c) Describe sympathetic (fight or flight) response. 06
- Q.3 (a) Explain properties of cardiac muscle. 05
(b) Describe functioning of Renin Angiotensin System. 05
(c) Discuss physiology of respiration. 06
- Q.4 (a) Draw a labeled diagram of female reproductive system. 05
(b) Write a note on reflex action. 05
(c) Discuss anatomy and physiology of thyroid gland. 06
- Q.5 (a) Discuss in detail - Ageing process. 05
(b) Write a note on respiratory volumes. 05
(c) Discuss physiology of menstruation cycle. Write note on oogenesis. 06
- Q. 6 (a) Explain regulation and function of insulin hormone. 06
(b) Write a note on:
(1) ECG (2) Cranial nerves 06
(c) Draw a well labeled diagram of brain. 04
- Q.7 (a) Explain physiology of hearing and equilibrium balance. 06
(b) Write a note on adrenal secretions. 06
(c) Define and explain: 04
(1) Acromegaly (2) Angina pectoris
(3) Glaucoma (4) Diabetes insipidus
