

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BPHARM – SEMESTER II • EXAMINATION – WINTER • 2014

Subject code: 2220004

Date: 05-12-2014

Subject Name: Human Anatomy Physiology-II

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) Differentiate between SNS & ANS. Discuss the physiology of Autonomic Nervous System **06**
(b) Write note on reflex action **05**
(c) Draw neat & clean labeled diagram of Brain. **05**
- Q.2** (a) Draw neat & clean labeled diagram of Eye. Write note on Photoreceptors **06**
(b) Discuss the Physiology of Urine Formation. **05**
(c) Write note on Female Reproductive Cycle **05**
- Q.3** (a) Write down Composition & Function of CSF. Discuss the protective structures of Brain **06**
(b) Explain the Mechanism of Respiration **05**
(c) Discuss the Cranial Nerves. **05**
- Q.4** (a) Discuss the Physiology of Hearing & Equilibrium **06**
(b) Discuss about Endocrine part of Pancreas **05**
(c) Write down difference between Adrenergic & Cholinergic Nervous System **05**
- Q.5** (a) Enumerate the Hormones of Pituitary Gland. Discuss the Role of Hypothalamus over control of Pituitary Hormones **06**
(b) Draw detailed structure of Nephron. **05**
(c) Explain Following Terms 1) Asthma 2) Cataract 3) Myopia 4) EPSP 5) Meningitis **05**
- Q. 6** (a) Discuss the synthesis ,control & release of Thyroid Hormones **06**
(b) Write not on Cholinergic Transmission **05**
(c) Discuss the Anatomy & Physiology of Medulla Oblongata. **05**
- Q.7** (a) Explain Following Terms **06**
1) Glaucoma 2) Renal Caliculi 3) Parkinson's Disease
(b) Draw labeled diagram of Female Reproductive system **05**
(c) Discuss the physiology of Cerebellum. **05**
