

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM - SEMESTER– II. EXAMINATION – SUMMER-2016

Subject Code: 2220004

Date:10/06/2016

Subject Name: Human Anatomy Physiology-II

Time: 10:30 AM to 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** (a) Draw a labeled diagram of male reproductive system **06**
(b) Discuss mechanism and regulations of respiration. **05**
(c) Write a note on electroencephalogram. **05**
- Q.2** (a) Draw a labeled diagram of eye-ball. Write a note on photoreceptors. **06**
(b) Write a detailed note on reflex arch with suitable diagram. **05**
(c) Write a note on: Menstrual cycle. **05**
- Q.3** (a) Draw a labeled diagram of brain. Give the functions of hypothalamus. **06**
(b) Describe Physiology of Hearing and equilibrium. **05**
(c) Enumerate various methods of family planning. Discuss surgical methods in detail. **05**
- Q.4** (a) Draw a labeled diagram of nephron. Discuss physiology of urine formation. **06**
(b) Describe physiology of hearing with suitable diagram. **05**
(c) Write a note on: Cranial nerves. **05**
- Q.5** (a) Enlist thyroid hormones. Discuss control of release and functions of thyroxin. **06**
(b) Discuss different lung volumes to assess functional efficiency of respiratory system. **05**
(c) Write difference between parasympathetic and sympathetic system. **05**
- Q.6** (a) Enlist hormones of supra-renal gland. Write functions of glucocorticoids. **06**
(b) Write a note on Acid base imbalance. **05**
(c) Explain: Blood brain barrier & CSF. **05**
- Q.7** Explain following terms **16**
- 1.** COPD
 - 2.** ADHD
 - 3.** Alzheimer's disease
 - 4.** Cataract
 - 5.** Renal calculi
 - 6.** Gynecomastia
 - 7.** Diabetes mellitus
 - 8.** Benign prostatic hyperplasia
