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GUJARAT TECHNOLOGICAL UNIVERSITY B PHARM - SEMESTER - II EXAMINATION - SUMMER - 2016

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. 0.1 Draw a labeled diagram of male reproductive system 06 (a) Discuss mechanism and regulations of respiration. 05 **(b)** Write a note on electroencephalogram. 05 (c) **Q.2** Draw a labeled diagram of eye-ball. Write a note on photoreceptors. 06 (a) **(b)** Write a detailed note on reflex arch with suitable diagram. 05 Write a note on: Menstrual cycle. (c) 05 **Q.3** Draw a labeled diagram of brain. Give the functions of hypothalamus. 06 (a) Describe Physiology of Hearing and equilibrium. 05 **(b)** Enumerate various methods of family planning. Discuss surgical methods in (c) 05 detail. Draw a labeled diagram of nephron. Discuss physiology of urine formation. 0.4 06 (a) Describe physiology of hearing with suitable diagram. 05 **(b)** (c) Write a note on: Cranial nerves. 05 06 **Q.5** (a) Enlist thyroid hormones. Discuss control of release and functions of thyroxin. Discuss different long volumes to assess functional efficiency of respiratory 05 **(b)** system. 05 Write difference between parasympathetic and sympathetic system. (c) Q. 6 Enlist hormones of supra-renal gland. Write functions of glucocorticoids. **06** (a) **(b)** Write a note on Acid base imbalance. 05 Explain: Blood brain barrier & CSF. 05 (c) **Q.7** Explain following terms 16 **COPD** 1. 2. **ADHD** 3. Alzheimer's disease 4. Cataract 5. Renal calculi 6. Gynecomastia 7. Diabetes mellitus 8. Benign prostatic hyperplasia
