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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. Differentiate between SNS & ANS. Discuss the physiology of Autonomic **Q.1 (a)** 06 Nervous System Write note on reflex action **(b)** 05 Draw neat & clean labeled diagram of Brain. 05 (c) Q.2 Draw neat & clean labeled diagram of Eye. Write note on Photoreceptors 06 **(a)** Discuss the Physiology of Urine Formation. **(b)** 05 Write note on Female Reproductive Cycle 05 (c) Q.3 Write down Composition & Function of CSF. Discuss the protective structures (a) **06** of Brain Explain the Mechanism of Respiration 05 **(b)** Discuss the Cranial Nerves. 05 (c) **Q.4** Discuss the Physiology of Hearing & Equilibrium 06 (a) Discuss about Endocrine part of Pancreas 05 **(b)** Write down difference between Adrenergic & Cholinergic Nervous System 05 (c) Q.5 Enumerate the Hormones of Pituitary Gland. Discuss the Role of 06 (a) Hypothalamus over control of Pituitary Hormones Draw detailed structure of Nephron. **(b)** 05 Explain Following Terms1)Asthma 2) Cataract 3)Myopia (c) 05 4) EPSP 5) Meningitis **O.** 6 Discuss the synthesis ,control & release of Thyroid Hormones 06 (a) Write not on Cholinergic Transmission **(b)** 05 Discuss the Anatomy & Physiology of Medulla Oblongata. (c) 05 **Q.7 Explain Following Terms** 06 **(a)** 1) Glaucoma 2) Renal Caliculi 3) Parkinson's Disease Draw labeled diagram of Female Reproductive system **(b)** 05 Discuss the physiology of Cerebellum. 05 (c)
