Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM - SEMESTER-II • EXAMINATION – SUMMER 2017

Subject Code: 2220004 Date: 09/06/2017

Subject Name: Human Anatomy Physiology-II

Time: 10:30 AM to 01:30 PM Total Marks: 80

Instructions:

1.	Attempt any five questions.
2.	Make suitable assumptions wherever necessary

2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.

Q.1	(a) (b) (c)	Enlist the basic steps of respiration. Explain physiology of respiration. Discuss generation and propagation of action potential of neuron with diagram. Write a note on Acid base imbalance.	06 05 05
Q.2	(a) (b) (c)	Draw a labeled diagram of nephron. Explain the physiology of glomerular filtration. Discuss various methods of contraception. Write a short note on: (i) COPD, (ii) Hypoxia	06 05 05
Q.3	(a) (b) (c)	Write a note on: Menstrual cycle. Draw a labeled diagram of brain. Discuss the synthesis, control & release of Thyroid Hormones	06 05 05
Q.4	(a) (b) (c)	Describe the functions of the adrenal gland hormones. Write a note on: Cranial nerves. Explain following terms: Cataract, Otitis media, Glaucoma, Myopia, Renal calculi	06 05 05
Q.5	(a) (b) (c)	Draw a labeled diagram of eye-ball. Differentiate between parasympathetic and sympathetic system. Explain following terms: Dwarfism, Gynecomastia, Diabetes mellitus, Oogenesis, Impotence	06 05 05
Q. 6	(a) (b) (c)	Draw a labeled diagram of male reproductive system. Write a note on Reflex arc. Explain about control and regulation of respiration.	06 05 05
Q.7	(a) (b) (c)	Define neurotransmitters, EPSP and IPSP. Describe any two neurotransmitters. Discuss the physiology of Hearing. Explain structure and function of kidney.	06 05 05
