

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	
