

GUJARAT TECHNOLOGICAL UNIVERSITY
BPHARM – SEMESTER I • EXAMINATION – SUMMER - 2013

Subject code: 2220004

Date: 03-06-2013

Subject Name: Human Anatomy Physiology-II

Time: 02:30 pm to 05:30 pm

Total Marks: 70

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

Q.1	(a)	Discuss physiology of hearing and equilibrium.	06
	(b)	Draw a labelled diagram of Female reproductive system. Discuss anatomy of any one organ involved in it.	05
	(c)	Define neurotransmitters, EPSP and IPSP. Describe various neurotransmitters.	05
Q.2	(a)	Explain about control and regulation of respiration.	06
	(b)	Write a note on reflex action.	05
	(c)	Write about protective structures and coverings of brain and spinal cord.	05
Q.3	(a)	Draw a labelled diagram of human eye-ball. Add a note on photoreceptors and myopia.	06
	(b)	Narrate fully anatomy and physiology of hind brain.	05
	(c)	Describe anatomy of organ with diagram involved with the function of spermatogenesis.	05
Q.4	(a)	Enumerate disorders related to CNS and spinal cord. Describe any two of them.	06
	(b)	Write about endocrine part of Pancreas.	05
	(c)	Enlist parts of the brain included in brain stem. Add a note on any one of them.	05
Q.5	(a)	Differentiate between SNS and ANS. Describe anatomy and physiology of ANS.	06
	(b)	Describe anatomy of bronchi and lungs.	05
	(c)	Elaborate completely adrenal cortex.	05
Q. 6	(a)	Explain and clarify following terms. 1. Tuberculosis 2. COPD 3. Vital capacity	06
	(b)	Write functions of urinary system. Explain physiology of urine formation.	05
	(c)	Write a note on cranial nerves.	05
Q.7	(a)	Write about disorders associated with pituitary gland. Add a note on posterior pituitary gland.	06
	(b)	Describe anatomy of kidney with labelled diagram.	05
	(c)	Define and explain following terms. 1. Glaucoma 2. Gynecomastia 3. Renal calculi 4. Impotence 5. Menstruation.	05
