Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

Pharm D – 1st Year • EXAMINATION – SUMMER - 2017

Subject Code: 818801 Date: 26/05/2017

Subject Name: Human Anatomy and Physiology

Time: 10.30 AM to 01.30 PM Total Marks: 70

Instructions:

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

Q.1	(a)	Enumerate pituitary hormones. Discuss physiological effects of adrenal cortex hormones.	06
	(b)	Explain physiology of vision.	04
	(c)	Define cardiac output. Describe various factors affecting cardiac output.	04
Q.2	(a)	Draw labeled diagram of typical human cell. Write functions of cell.	06
	(b)	Discuss formation, composition and functions of lymph.	04
	(c)	Differentiate sympathetic and parasympathetic system.	04
Q.3	(a)	Write composition and functions of blood.	06
	(b)	Write a note on lung function test.	04
	(c)	Define the following terms;	04
		1) Thrombocytopenia 2) Myocardial infarction	04
		3) Myasthenia gravis 4) Asphyxia	
Q.4	(a)	Draw labeled diagram of nephron. Discuss physiology of urine formation.	06
	(b)	Discuss anatomy and physiology of stomach.	04
	(c)	Explain physiology of skeletal muscle contraction.	04
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Q.5	(a)	Explain in detail various types of epithelial tissue.	06
	(b)	Enumerate various methods of family planning. Describe in detail surgical method.	
	(c)	Write a note on drugs and athletics.	04
Q. 6	(a)	Draw labeled diagram of human brain. Discuss functions of hypothalamus.	06
	(b)	Discuss process of nerve action potential generation.	04
	(c)	Write a note on menstrual cycle.	04
Q.7	(a)	Draw labeled diagram of female reproductive system. Write functions of testis.	06
£	(b)	Explain various types of movements of joints.	17 TO 18
	(c)	Write a note on ECG.	04
	(0)	THE WHOLE OIL ECO.	04