Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

 $BPHARM-SEMESTER~II~(OLD~Syllabus) \bullet EXAMINATION-SUMMER \bullet 2015$

Subject code: 2	220004	Date:	06-06-2015

Subject Name: Anatomy Physiology and Hea	lth Education -	II
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Instructions:

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

Q.1	(a) (b) (c)	Draw a labeled diagram of ear and explain physiology of vision. Write functions of skin in detail with a labeled diagram. Explain following terms (i) Glaucoma (ii) Goiter (iii) Meningitis (iv) Calculi (v) Blood volume	06 05 05
Q.2	(a) (b)	Write in detail about structural and function unit of kidney. Discuss in detail about Male Reproductive System with a labeled diagram.	06 05
	(c)	Explain properties of cardiac muscles.	05
Q.3	(a)	Describe the biosynthesis, storage and release of T_3 and T_4 from thyroid gland.	06
	(b)	Draw a labeled diagram of human brain and write note on cerebral cortex.	05
	(c)	Draw neat and clean diagram of internal structure of heart.	05
Q.4	(a)	Explain reflex action with neat and clean labelled diagram of reflex arch.	06
	(b) (c)	Write a short note on cardiac output. Write a short note on cerebral spinal fluid (CSF).	05 05
Q.5	(a) (b) (c)	Discuss physiology of menstruation cycle. Write a note on Ogenesis. Discuss in detail about physiology of Ageing process. Classify hormones and write a note on hormone obtained from β-	06 05 05
		cells of islets of Langerhans.	
Q. 6	(a)	Draw a labeled diagram of lungs and write a note on respiratory volumes.	06
	(b)	Give difference between parasympathetic and sympathetic nervous system.	05
	(c)	Write a short note on cranial nerves.	05
Q.7	(a) (b) (c)	Explain physiology of urine formation. Write a short note on (i) Renin angiotensin system (ii) ECG Explain following terms (i) Bronchial Asthma (ii) Addison's disease	06 05 05
		(iii) Diabetes Mellitus (iv) Limbic system (v) CCF.	
