Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY
BE- IV<sup>th</sup> SEMESTER-EXAMINATION – MAY/JUNE- 2012
Subject code: 140301 Date: 2 Date: 29/05/2012

Subject couct 110001			Date: 25/00/2012	
Subj	ect N	Name: Life Science-2		
Time: 10:30 am – 01:00 pm		l Marks: 70		
Instr	ucti	ons:		
1.	Atte	empt all questions.		
		xe suitable assumptions wherever necessary.		
3.	Figu	res to the right indicate full marks.		
Q.1	(a)	Draw and explain the gross structure of kidney.	07	
V.1	(b)	Enlist & explain different functions of kidney.	07	
	(6)	Zimist & explain different functions of inducey.	07	
<b>Q.2</b>	(a)	Explain menstrual cycle in detail.	07	
	<b>(b)</b>	Explain structure & functions of testes.	07	
		OR		
	<b>(b)</b>	Explain structure & functions of uterus.	07	
Q.3	(a)	Explain structure of neurons with its different properties.	07	
	<b>(b)</b>	Describe the gross structure of spinal cord. State the functions of	the <b>07</b>	
		afferent nerve.		
0.3	( )	OR	0=	
Q.3	(a)	Enlist & explain different types of cranial nerves.	07	
	<b>(b)</b>	Explain EEG in detail.	07	
<b>Q.4</b>	(a)	Enlist & explain different contraception methods for both mal-	e & <b>07</b>	
<b>v</b> ··	(4)	female.	0,	
	<b>(b)</b>	Describe the structure of nephron with its schematic.	07	
	` '	OR		
<b>Q.4</b>	(a)	Explain the basic structure of the alimentary canal.	07	
	<b>(b)</b>	Explain structure & functions of small intestine.	07	
Q.5	(a)	Describe the actions of the hormones secreted by the anterio	r & <b>07</b>	
		posterior lobes of the pituitary gland.		
	<b>(b)</b>	Describe the actions of the thyroid gland.	07	
		OR	a <b>-</b> -	
Q.5	(a)	*	07	
	<b>(b)</b>	1) Describe renal functional tests.	04	
		2) Explain Micturition.	03	

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