Seat No.:	Enrolment No.
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Subject code: 140301

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## B. E. - SEMESTER – IV • EXAMINATION – WINTER 2012

Date: 29/12/2012

· ·		Life Science-2	. =0
Time: 02.30	-	- 05.00 pm Total Ma	rks: 70
Instruction		any fina ayaati aya	
		any five questions. itable assumptions wherever necessary.	
		to the right indicate full marks.	
Q.1	(a)	Explain the process of urine formation.	07
	<b>(b)</b>	Draw & explain the structure of ureter with its function.	07
Q.2	(a)	Describe the structure of skin.	07
	<b>(b)</b>	Explain the process of Micturition.  OR	07
	<b>(b)</b>	Explain the structure & function of teeth & tongue.	07
Q.3	(a)	Draw & explian structure of urinary bladder with its function.	07
	<b>(b)</b>	Draw & explain the structure & function of mammary glands.	07
0.4		OR	0=
Q.3 (a)	Enlist organs associted with the liver. Explain the function of liver.	07	
	<b>(b)</b>	Explain the structure of small intestine with its functions.	07
Q.4	(a)	Draw & explain the structure of neurone.	07
	<b>(b)</b>	Draw & explain the structure & functions of uterus.  OR	07
Q.4	(a)	Draw & explain the gross structure of spinal cord.	07
Q.4	<b>(b)</b>	Draw & explain diagram of synapse.	07
Q.5	(a)	Explain the main structures of external genitalia.	07
	<b>(b)</b>	Expalin Electroencephalography with its different types of waves.	07
0 =		OR	0=
Q.5 (a)	Describe the physiological action of the hormon secreted by posterior pituitary gland.	07	
	<b>(b)</b>	Define the followings:	
	<ul><li>(1) Explain the process of delutition.</li><li>(2) Brain stem.</li></ul>	04	
			03

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