## **GUJARAT TECHNOLOGICAL UNIVERSITY**

M. E. - SEMESTER - I • EXAMINATION - WINTER • 2014

Subject code:710205	Date: 04-12-2014
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**Subject Name: Internet Technology** 

Time: 10:30 to 1:00 Am	Total Marks: 70
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**Instructions:** 

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

Q.1	a	Explain TCP/IP protocol suite in detail.	07
	b	Explain following terms.	07
		1. Port address 2. Logical address 3 Physical address 4.Router	
		5. Hub 6. Repeater 7. Gateway.	
Q.2	a	Compare sub netting with supper netting and circuit switching with packet switching.	07
	b	How to design a website? Explain the steps for it.  OR	07
	b	How Email works? Explain in detail.	07
Q.3	a	Explain flow control and error control in TCP.	07
	b	Compare Classful addressing with Classless addressing.  OR	07
Q.3	a	What is protocol? Explain any three protocol used in internet.	07
	b	Compare TCP with UDP.	07
Q.4	a	Design an HTML page, which include frames and table.	
	b	Explain java script function and conditions with example.	07
Q. 4	a	OR Explain text formatting in CSS with example.	07
ζ.,	b	What is XML? Differentiate XML and HTML. How can XML be	07 07
	2	used?	U /
Q.5	a	Explain FTP server and Proxy server.	07
	b	What is the use of network cable? Explain different types of network cable.	07
		OR	
Q.5	a	What is Network Interface Card? Explain its types in details.	<b>07</b>
	<b>b</b>	Explain News server and Directory server.	<b>07</b>

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