Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. 1ST Semester Remedial Examination –July- 2011

Subject code: 710205

Subject Name: Internet Technology

Date:13/07/2011 **Time: 10:30 am – 01:00 pm**

Total Marks: 60

Instructions:

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

Q.1	**(a)**	Explain how Internet standards are formed , and also explain the Internet administration.	**06**
	(b)	Explain the functions of the following networking devices in detail: i) Bridges ii) Routers iii) Switches	**06**
Q.2	**(a)**	Explain the classful addressing Write your comments of special addresses.	**06**
	(b)	What do you understand by subnetting ?. How ISP is granted a block of addresses are distributed to the customers, explain it with example.	**06**
		OR	
	(b)	What is style sheet? Briefly explain. What are different ways for creating style sheet explain. Also explain CSS Box model in brief.	**06**
Q.3	**(a)**	Design HTML page which include table tag with its entire attributes.	**06**
	(b)	Design web page using JavaScript which takes input as a number using prompt dialog box from user and find its square-root and display answer.	**06**
		OR	
Q.3	**(a)**	How Internet works? What are the requirements for connecting to Internet?	**06**
	(b)	What is Proxy server ? Explain NAT in detail,	**06**
Q.4	**(a)**	Compare TCP and UDP protocols.	**06**
	(b)	What is DNS? Explain the various name resolution methods, also explain the concept of caching in DNS and its advantages.	**06**
		OR	
Q.4	**(a)**	Write down the steps for creating website. What are the benefits of HTML? How would you create forms in HTML?	**06**
	(b)	What is XML? What are naming rules in XML? Describe the difference between XML and HTML	**06**
Q.5	**(a)**	Explain client-server model and explain the concept of concurrency in clients and servers.	**06**
	(b)	Discuss the issues of the physical layer of OSI. Compare fiber optic cable and UTP cable.	**06**
		OR	
Q.5	**(a)**	Explain email system and how SMTP provides mail exchange between users on the same or different system, also explain the purpose of MIME in email system.	**06**
	(b)	Explain the following servers in brief: i) FTP server ii) Web server	**06**

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