GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VI- EXAMINATION – SUMMER 2016

Subject Code:160705   **Date:11/05/2016**
Subject Name:Web Application Development
Time: 10:30 AM to 01:00 PM   **Total Marks: 70**

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

Q.1	**(a)**	How to use the same style sheets for different for different web pages.	**07**
	(b)	Write a CSS that sets an element to occupy 60% of the screen width and that is centered horizontally.	**07**
Q.2	**(a)**	Explain external java script with example.	**07**
	(b)	Write a CSS rule for XHTML document that displays all the links in blue without underlying them, when the mouse hover the link change the link's background color to yellow.	**07**

OR

	(b)	Create a web application for login form with login and password option. Password should be up to 5 characters only. Perform necessary validations.	**07**
Q.3	**(a)**	Explain the purpose of the following DOM methods and properties. (i) getElementById (ii) createElement (iii) appendChild (iv) parentNode	**07**
	(b)	What is XML ELEMENT and XML Schema? Explain CDATA and PCDATA with example.	**07**

OR

Q.3	**(a)**	Write the following styles in separate CSS file and also show how to link this CSS file in HTML file and show use of styles. (i) The headings should have normal font style and font's size should be 120% (ii) Define a class arial for paragraph which defines font family arial and font style bold. (iii) Apply a background color yellow and apply a background image "happy.jpg"	**07**
	(b)	Explain the use of following XSL (XML style sheet Element) (i) value-of (ii) for-each (iii) sort	**07**
Q.4	**(a)**	Show how HTTP request and responses are handled with respect to web server.	**07**
	(b)	Explain the two ways in which XML parser checks whether a document follows the expected order and structure.	**07**

OR

Q.4	**(a)**	Explain the working of web services with diagram and its requirement.	**07**
	(b)	Write a XSLT code to display employee details in a table form which is stored in XML.	**07**
Q.5	**(a)**	Explain web feed and blogs with their importance and in specific situation where they should be used.	**07**
	(b)	Write a note on server side include. Write a PHP program to demonstrate the same.	**07**

OR

Q.5 **(a)** What is Web service? What is role of SOAP in Web service? Give an Example   **07**

(b) Write a PHP program to create MySQL database and table; insert, retrieve data from table, alter the table to add a column and add data in that new column.   **07**

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