Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VI (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2160708   **Date: 05/05/2017**
Subject Name: Web Technology
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.**

                                                                    MARKS

Q.1	**Short Questions**	**14**

 1 Write full form of HTTP.
 2 What is navigation in designing a website?
 3 What is the correct HTML for adding a background color?
   a). <body color="yellow">
   b). <body bgcolor="yellow">
   c). <background>yellow</background>
   d). <body background="yellow">
 4 Write a correct HTML tag for making hyperlink.
 5 Which HTML tag is used to define an internal style sheet?
 6 Which CSS property is used to change the text color of an element?
 7 How do you put a message in the browser's status bar?
   a). window.status("put your message here")
   b). window.status = "put your message here"
   c). statusbar = "put your message here"
 8 What is the correct syntax for referring to an external script called "xxx.js"?
   a). <script type="text/javascript" href="xxx.js">
   b). <script type="text/javascript" src="xxx.js">
   c). <script type="text/javascript" name="xxx.js">
 9 Write full form of XSL.
 10 State True/False: XML preserves white spaces.
 11 All variables in PHP start with which symbol?
   a). $ b). !   c). &
 12 Write full form of PHP.
 13 A PHP _____ variable is used to store the information about, or change settings for a user session.
   a). session   b). $SERVER   c). Section
 14 What is the correct way to connect to a MySQL database?

Q.2	**(a)**	Differentiate between GET and POST method.	**03**
	(b)	Explain different design issues at the time of designing an effective website.	**04**

(c) What is HTML table? Explain table element rowspan and colspan with necessary attributes. Write HTML code to print following table. **07**

	average		other category
	height	weight	
males	1.9	0.003	yyy
females	1.7	0.002	xxx

OR

(c) Explain the Document Object Model. Explain any two document object with example. **07**

Q.3 **(a)** What is the different between HTML and XHTML? **03**

(b) Explain ordered and unordered list with example. **04**

(c) What is client side scripting? Write an HTML and JavaScript program which accepts N as input and print first N odd numbers. **07**

OR

Q.3 **(a)** Write CSS code for the following: **03**
i) set the background color for the hover and active link states to "yellow".
ii) Set the list style for unordered lists to "square".
iii) Set "paper.gif" as the background image of the page.

(b) What do you mean by "class" and "id" in CSS? Explain with Example. **04**

(c) What is an HTML form tag? Discuss the different form attributes and design a simple form to register for new user including user_name, password, email, mobile number, gender and hobbies. **07**

Q.4 **(a)** Explain how to use the same style sheets for different webpages. **03**

(b) Explain following XSL (XML style sheet Element): **04**
i) if
ii) for-each

(c) What is XML Schema and DTD? Explain CDATA and PCDATA with example. **07**

OR

Q.4 **(a)** Explain different types of Pop-box in javascript. **03**

(b) What is XML? Write an XML file to store information of books. **04**

(c) What is Event in DHTML? Show the use of events to change background color with DHTML. If mouse button is pressed, background color should be blue. If mouse button is released up, background color should be green. **07**

Q.5 **(a)** Explain date() function in PHP. **03**

(b) Differentiate session and cookies in PHP. **04**

(c) Write HTML and PHP program to read and store student information such as enrollment no, name, semester and percentage from database table. Output the data to a webpage in tabular format. **07**

OR

Q.5 **(a)** What PHP can do with header() command? **03**

(b) Write a PHP script to print first N Fibonacci numbers. **04**

(c) What are the different types of arrays in PHP? Explain with example to process the arrays in PHP. **07**

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