

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2018**

**Subject Code:2160708**

**Date:05/05/2018**

**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
<b>Q.1</b>	(a) Explain the points which should be considered for planning a website	<b>03</b>
	(b) Differentiate following. (1). HTML and XHTML (2). GET and POST	<b>04</b>
	(c) Write a form to collect details of a user such as name, address, radio button to choose subject of book he wants to buy, Dropdown to choose favorite author and comments for the last book he read.	<b>07</b>
<b>Q.2</b>	(a) Give full form of following acronym. (1) XSL (2) WML (3) SOAP (4) DTD	<b>03</b>
	(b) What is CSS? Explain the different types of CSS.	<b>04</b>
	(c) What is Metadata? Explain with example how Metadata is included in a document? Also show how can following be achieved with the help of Metadata? (i) Stop the page from being listed. (ii) Set an expiration date (iii) Stop the browser from caching a page. (iv) Give a context for date so that it can take format DD-MM-YYYY	<b>07</b>
	<b>OR</b>	
	(c) Write HTML and CSS code for the following: (i) set the background color for the 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>07</b>
<b>Q.3</b>	(a) Explain DOM structure of HTML. Write JavaScript code to know which mouse button was clicked and number of elements in form.	<b>03</b>
	(b) Write a JavaScript, that uses a loop, that searches a word in sentence held in an array, returning the index of the word.	<b>04</b>
	(c) Design a login form using HTML & JavaScript with following validations on username and password fields. 1. Password length must be 6 to 12 characters 2. Username should not start with _, @ or number. 3. Both should not be blank.	<b>07</b>
	<b>OR</b>	
<b>Q.3</b>	(a) Differentiate between Client Side Scripting and Server Side Scripting.	<b>03</b>
	(b) Why do you need validation? Write HTML and JavaScript code to validate the email address using regular expression.	<b>04</b>
	(c) Design a form using HTML and JavaScript that asks the user to enter his date of birth and on clicking the Calculate Button it calls the function that calculates how many days are left in your birthday?	<b>07</b>

- Q.4 (a)** Explain the following XSL(XML stylesheet elements). **03**  
                   (i) value-of  
                   (ii) for-each  
                   (iii) sort  
**(b)** What is XML? Write XML file to store personal information of student. **04**  
**(c)** Write a PHP program to upload image. And also check file size should not greater than 30 KB. **07**

**OR**

- Q.4 (a)** Explain the key components of XML. **03**  
**(b)** Explain XSL and XSLT with example. **04**  
**(c)** Write PHP code to read data from a text file and display it in browser. **07**

- Q.5 (a)** Explain RSS elements with example. What are the uses of RSS? **03**  
**(b)** Explain need and working of web services with diagram. **04**  
**(c)** Write a web application code using PHP, HTML and MySql for Employees that stores employee's id, name, department, designation, etc. in database. Create proper GUI including buttons that run separate .php file for each database operation like insert, update, delete etc. **07**

**OR**

- Q.5 (a)** Explain the following. **03**  
                   1) Blog  
                   2) Web feeds  
**(b)** What is SOAP? Explain the role of SOAP in web services. **04**  
**(c)** Explain session and cookies in PHP with proper example. **07**

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