

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(NEW) EXAMINATION – WINTER 2022****Subject Code:2160708****Date:16-12-2022****Subject Name:Web Technology****Time:02:30 PM TO 05:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

	MARKS
Q.1 (a) Give full form of following acronym (i) XSLT (ii) PHP (iii) XML	03
(b) Explain Frames in HTML with its advantages and disadvantages.	04
(c) Create a webpage using HTML and JavaScript that takes any number as input and prints Fibonacci series up to that number.	07
Q.2 (a) Write characteristics of DHTML.	03
(b) Draw and explain architecture of Web browser.	04
(c) Write HTML and CSS code for the following: (i) Set the background color for the active link states to "blue". (ii) Set the list style for unordered lists to "circle". (iii) Set "animation.gif" as the background image of the page.	07
OR	
(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	07
Q.3 (a) Explain DOM structure of HTML. Write JavaScript code to know which mouse button was clicked and number of elements in form.	03
(b) Write an XML file to store your semester mark sheet.	04
(c) Write Java Script to validate Mobile Number. 1) Entered value must be numeric 2) 10 digit length 3) Must start with either 6, 7, 8 or 9.	07
OR	
Q.3 (a) What is Cascading Style Sheet? Compare inline, embedded and external style sheet with example.	03
(b) Write the Difference between HTML and XML.	04
(c) Write a JavaScript program to validate an Email address.	07
Q.4 (a) Differentiate between Client Side Scripting and Server Side Scripting	03
(b) Explain XSL and XSLT with example.	04
(c) Write a JavaScript program to read data from XML file and print it in tabular manner.	07

OR

- Q.4** (a) List some advantages of JavaScript. **03**
(b) Explain the key components of the XML with suitable examples. **04**
(c) Write a JavaScript code that displays “I LOVE INDIA” with increasing font size in the interval of 100 ms in blue color, when the font size reaches 50pt it should stop. **07**

- Q.5** (a) What PHP can do with header () function? **03**
(b) Explain Session in PHP with example. **04**
(c) Write a PHP program to upload image. And also check file size should not greater than 50 KB. **07**

OR

- Q.5** (a) Explain require() and include() functions in PHP. **03**
(b) Explain Cookie in PHP with example. **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**

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