

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) EXAMINATION – WINTER 2017****Subject Code: 2160708****Date: 16/11/2017****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.

**MARKS**

- Q.1**
- (a) List and explain the website design principles. **03**
- (b) Give full form of following acronym. **04**  
(1) DHTML (2) WAP (3) DOM (4) XSL
- (c) Explain any three attributes of Table Tag in HTML. Write code to display following table. **07**

India			
Australia	USA		Spain
	Switzerland	Italy	Japan
China	Myanmar	South Korea	

- Q.2**
- (a) Write the Difference between POST and GET methods. **03**
- (b) What do you mean by meta tags? Show their meaning and use with example. **04**
- (c) Define CSS. Enlist and explain methods of using CSS in web page. **07**  
Write HTML snippet with CSS to
1. Change background color of webpage
  2. Set an image as a background
  3. Manipulate a background image so it can be repeated over an area.

**OR**

- (c) Write an HTML snippet with CSS for following effects **07**
1. link: after visited red color and before visited blue color
  2. table with odd rows pink and even rows blue color.
  3. Text color-green, Text-indentation-2cm, Text case-uppercase
- Q.3**
- (a) What are the advantages and disadvantages of client side scripting? **03**
- (b) Write a JavaScript to find first 10 prime numbers. **04**
- (c) Write a JavaScript that handles following events. **07**
- (i) Gives the key code for the key pressed.
  - (ii) The script should give message that "vowel is pressed" if vowel keys are pressed.
  - (iii) Background color should change to red after releasing the pressed key.

**OR**

- Q.3** (a) Explain the Document Object Model with example **03**

- (b) Write JavaScript code to know which mouse button was clicked, number of elements in form, and write hello world on the document. **04**
- (c) Show the use of JavaScript events for the following **07**
- (i) Trap the exiting of the user from a page.
- (ii) Show the heading. When the mouse is over the heading the background color should be red and when the mouse goes out of the heading, color should change to blue.
- Q.4** (a) Explain XSL and XSLT. **03**
- (b) Explain the following. **04**
- (1) Web feeds (2) Blogs
- (c) Write a PHP program to find whether entered year is leap year or not. **07**
- OR**
- Q.4** (a) Compare and contrast between HTML and XML. **03**
- (b) What is XML? Write XML file to store personal information of student. **04**
- (c) Write a PHP script to print following pattern. **07**
- 1  
ab  
234  
cdef  
56789
- Q.5** (a) What is RSS? Explain RSS elements. **03**
- (b) Explain Cookie in PHP with proper example. **04**
- (c) Write a PHP script to validate email address using Regular Expression when user click on SUBMIT button. **07**
- OR**
- Q.5** (a) What is web service? Explain role of SOAP in Web services. **03**
- (b) Explain Session in PHP with proper example. **04**
- (c) Explain database connectivity in PHP with example. **07**

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