

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 05:00PM

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. (1) DHTML (2) WAP (3) DOM (4) XSL	04
(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. 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.	07

OR

(c) Write an HTML snippet with CSS for following effects 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	07
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. (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.	07

OR

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