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DAYANANDA SAGAR COLLEGE OF ENGINEERING
(An Autonomous Institute Affiliated to VTU, Belagavi)
 Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078
Department of Information Science and Engineering
Internal Assessment Test - II

Course: B E/Programming the Web	Course Code: 17IS7IEPTW
Semester: 7 th	Maximum marks: 50
Date: 11-11-2020	Duration: 90 Mins

Mapping:

Question No.	1	2	3	4	5	6	7
Course Outcome		CO2,3	CO2	CO4	CO3,4	CO4	CO4
Program Outcome		1,2	1,2	1,2	1,2	1,2,3	1,2
Blooms Level		4	2	3	4	3	4

(Question Number 1, 2 and 3 are Compulsory, Answer one full question from 4 or 5 and 6 or 7)		Marks
1 A	Which of the following is correct about features of JavaScript? a. It is interpreted programming language b. It is designed for creating network centric applications. c. It is complementary to and integrated with java. d. All the above	1x10
B	Which built-in method returns the index within the calling String object of the first occurrence of the specified value? a. getIndex() b. location() c. indexOf() d. none of the above	
C	What is the HTML tag under which one can write the JavaScript code? a. <Javascript> b. <scripted> c. <script> d. <js>	
D	What is the correct syntax for referring to an external script called "example.js"? a. <script src="example.js"> b. <script href="example.js"> c. <script ref="example.js"> d. <script name="example.js">	

E	<p>Predict the output of the following JavaScript code.</p> <pre><script type="text/javascript" language="javascript"> var x=15; var y=6; var res=eval("x*y"); document.write(res); </script></pre> <ol style="list-style-type: none"> "90" 90 15*6 "15*6" 	
F	<p>Which of the following is an advantage of using JavaScript?</p> <ol style="list-style-type: none"> Increased interactivity. Less server interaction Immediate feedback from the users All of the above 	
G	<p>JavaScript is a _____ Side Scripting Language.</p> <ol style="list-style-type: none"> Server ISP Browser None of the above 	
H	<p>Predict the output of the following JavaScript code.</p> <pre><script> function geek() { if(true) { var a = 5; } document.write(a); } geek(); </script></pre> <ol style="list-style-type: none"> Compilation error Nothing will be printed as output 5 Run time error 	
I	<p>Which was the first browser to support JavaScript?</p> <ol style="list-style-type: none"> Mozilla firefox Netscape Google chrome IE 	
J	<p>Predict the output of the following JavaScript code.</p> <pre><script> for(int i = 0; i < 5;i++){ document.write('Value of i is: ' + i +'
'); }</pre>	

	</script>	
2a	Develop an XHTML document that describes nested ordered lists of cars. The outer list must have three entries: compact, midsize, and sports. Inside each of these three lists there must be two sublists of body styles. The compact- and midsize-car sublists are two door and four door; the sports-car sublists are coupe and convertible. Each body-style sublist must have at least three entries, each of which is the make and model of a particular car that fits the category. The outer list must use uppercase Roman numerals, the middle lists must use uppercase letters, and the inner lists must use Arabic numerals. The background color for the compact-car list must be pink; for the midsize-car list, it must be blue; for the sports-car list, it must be red. All of the styles must be in a document style sheet.	10
3	Give the differences between java and JavaScript. List the properties of numbers.	10
4	Discuss the control statements in javascript.	10
	(OR)	
5	Develop a program to find a factorial of a number using javascript. Using the indirect reference method.	10
6	Discuss and write the primitives, operations and expressions of javascript.	10
	(OR)	
7	Develop an XHTML and JavaScript files to find the roots of quadratic equation.	10