



Time: 3 Hrs.

Answer All Questions

Max Marks: 100

Note: All answers must be precise and to the point.

1.	a)	Use HTML to create a document that contains the following poem by Robert Frost Stopping By Woods On A Snowy Evening The woods are lovely, dark, and deep, But I have promises to keep, And miles to go before I sleep, And miles to go before I sleep. The page should be designed such that (i) The title of the page should be "Poems by Robert Frost" (ii) "Stopping By The Woods On A Snowy Evening" is displayed as a heading (iii) A line should be displayed below the heading (iv) The remaining content should be displayed in a paragraph (v) The poet's name should be displayed in italics on the page Underline the tags that you have used.	6
	b)	"The only way to apply CSS is by using external stylesheets" Accept or reject this statement with suitable justification.	4
	c)	Explain box model with a suitable diagram.	6
	d)	.ids { margin: 8px; padding: 0 3px 0 3px; font-family: "Times New Roman", "Times Roman", Roman, serif; color: #000; } Based on the code snippet above answer the following questions (i) Which selector is used in the above code? (ii) What does this statement indicate margin:8px; (iii) Write a single line of HTML code that applies the given style to a paragraph containing the text "Welcome to My World"	4
2.	a)	Complete the code given below to calculate the area and circumference of a circle <script type="text/javascript"> var radius=window.prompt("Enter the value"); //TODO: Display the area and circumference of circle for the given radius </script>	5
	b)	Explain substring and substr functions in Javascript. What is the output of the following program? <script type="text/javascript"> var str = "Do good to others to feel good about yourself"; document.write("(3,4): " + str.substr(3,4)); document.write("
(0,10): " + str.substring(0, 10)); document.write("
(8): " + str.substring(8)); </script>	5

c)	Using Javascript's Date object write a program to display the current time in AM/PM format. e.g If it is 2:45 in the afternoon the script should display 2:45 PM	5
d)	Using the built-in sort method of the array object sort the given array in descending order. <pre><script type="text/javascript"> var a=[100,89,34,22,140,32,67,199,30] //TODO: </script></pre>	5

3.	<p>a) Write a program using JavaScript and HTML which contains a button. When the button is clicked a div with a solid black border that is 2 pixels wide should be added to the page.</p>	6
	<p>b) Walt Disney designed the following webpage called page.html.</p> <pre> <html> <head> <title>It's a Small World </title> </head> <body> Welcome to Small World <h1 id="name">Disney Small World</h1> <h2 id="fame">Unity in Diversity</h2> <p id="rides"> Rides Every Hour </p> <p id="shows">Shows in the afternoon </p> </body> </html> </pre> <p>Help him to write a javascript function modify() that can make the following changes to the DOM of page.html</p> <ol style="list-style-type: none"> Create a new div whose id is smw. Add the two paragraph elements to this div Change the image elements source to "small.jpg" Remove the h1 element from the page Change the font color of paragraph to red. 	8
	<p>c) What is an event object? For a given event e what do the following properties signify</p> <ol style="list-style-type: none"> altKey cancelBubble keyCode type client 	6

4.	a)	What is server side scripting? When do we use it?	5
	b)	Tom is a website designer. He wants to store the user's choice for font color on the user's machine. He does not want to use cookies. What other technology can Tom use? What are the advantages of using this technology?	5
	c)	What are the two types of gradients that can be used on an HTML5 canvas? Complete the given code snippet such that a square with each side 50 pixels is created at coordinates (50,50) on the canvas. Apply a green and blue gradient to the square.	5

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