

**VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY (VSSUT), ODISHA**  
**Even/Odd Mid Semester Examination for session 2024-25**

COURSE NAME: **B.Tech.**

SEMESTER: **5<sup>th</sup>**

BRANCH NAME: **Information Technology (IT)**

SUBJECT NAME: **Web Technology (WT)**

FULL MARKS: **30**

TIME: **90 Minutes**

Answer All Questions.

The figures in the right-hand margin indicate Marks. *Symbols carry usual meaning.*

Q1. Answer all Questions. [2 × 3]

- a) Define the following terms: WYSIWYG, SGML, WWW, HTTPS - CO1
- b) What is the difference between cell spacing and cell padding? Explain with examples in one sentence each. - CO2
- c) What is the difference between Onblur() and Onclick() events in JavaScript? Explain with examples in one sentence each. - CO3

Q2. [4+4]

- a) What do you mean by evolution of internet and generation of web? Differentiate between web 1.0, web 2.0 and web 3.0 with examples. - CO1
- b) What is role of anchor tag in HTML? Mention the attributes of anchor tag with their purposes.

OR

- c) What are URL, URI, and URN? Differentiate between URL, URI, and URN with examples. - CO1
- d) Mention the purpose of E-mail. Write down its advantages and disadvantages.

Q3. [4+4]

- a) Explain Table Rowspan And Colspan property in HTML. Design and Code the following table using these properties in HTML: - CO2

A	B	D	E		F
	C		G	H	I
J					
K			L	M	

- b) What do you mean by CSS? Explain its purpose. Mention the types of CSS and describe each type with examples - CO2

OR

- c) What are the different types of form controls in HTML? Discuss each with examples - CO2

Q4.

[4+4]

- a) What do you mean by pop-up box? How many types of pop-up boxes available in JavaScript? Describe each type of pop-up box with examples - CO3
- b) Write a JavaScript program to find roots of a quadratic equation using if else control structure with html form specification given below and JavaScript code goes inside head tag, Enter the value of a, b, c provided with text boxes and click on FIND button it will show the roots in ROOT 1 and ROOT 2 text boxes. - CO3

<b>QUADRATIC EQUATION</b>	
<p style="text-align: center;"><b>Enter the coefficients:</b></p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div style="text-align: right;"><b>a</b></div><input style="width: 250px;" type="text"/></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div style="text-align: right;"><b>b</b></div><input style="width: 250px;" type="text"/></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div style="text-align: right;"><b>c</b></div><input style="width: 250px;" type="text"/></div> <div style="text-align: center; margin-top: 20px;"><div style="border: 1px solid black; padding: 5px 15px; display: inline-block;"><b>FIND</b></div></div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"><div style="text-align: right;"><b>ROOT 1:</b></div><input style="width: 120px;" type="text"/><div style="text-align: center;"><b>and</b></div><div style="text-align: left;"><b>ROOT 2:</b></div><input style="width: 120px;" type="text"/></div>	

OR

- c) Write a JavaScript program to find square root of a number using Babylonian method with html form specification and JavaScript code goes inside head tag. - CO3
- d) Write a JavaScript program to find compound interest with html form specification and JavaScript code goes inside head tag. - CO3