



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

REG.NO.: 23B11012

SCHOOL OF COMPUTER SCIENCE ENGINEERING AND INFORMATION SYSTEMS
CONTINUOUS ASSESSMENT TEST - I
WINTER SEMESTER 2024-2025

SLOT: D1+TD1

Programme Name & Branch : B.Tech, Information Technology
Course Code and Course Name : BITE 304L, Web Technologies
Faculty Name(s) : Dr.Vijayan R, Dr.Vijayarani A & Dr.Balasubramani M
Class Number(s) : VL2024250503424, VL2024250503430 & VL2024250503415
Date of Examination : 30.01.2025, FN
Exam Duration : 90 minutes
Maximum Marks: 50

General instruction(s):

- Answer All Questions
- M - Max mark; CO - Course Outcome; BL - Blooms Taxonomy Level (1 - Remember, 2 - Understand, 3 - Apply, 4 - Analyse, 5 - Evaluate, 6 - Create)
- Course Outcomes:
CO1: Develop interactive and responsive web pages using HTML, CSS and Bootstrap2.
CO2: Use JavaScript and JQuery to create dynamic web pages.

Q. No		Question	M	CO	BL																												
1.		Write a HTML and CSS code to design the following layout and use external style sheet for the given specification. a. Assign the width of the table as 50% and align it as center of the browser window. b. Assign the border thickness as 5px, dashed style with red color. c. Assign the background color of the table as yellow.	10	1	3																												
		<table><tr><th rowspan="3">Day</th><th colspan="2">Seminar</th><th rowspan="3">Topic</th></tr><tr><th colspan="2">Schedule</th></tr><tr><th>Begin</th><th>End</th></tr><tr><td rowspan="2">Monday</td><td>8:00 a.m.</td><td>5:00 p.m.</td><td>Introduction to XML</td></tr><tr><td></td><td></td><td>Validity: DTD and Relax NG</td></tr><tr><td rowspan="3">Tuesday</td><td>8:00 a.m.</td><td>11:00 a.m.</td><td>XPath</td></tr><tr><td>11:00 a.m.</td><td>2:00 p.m.</td><td rowspan="2">XSL Transformations</td></tr><tr><td>2:00 p.m.</td><td>5:00 p.m.</td></tr><tr><td>Wednesday</td><td>8:00 a.m.</td><td>12:00 p.m.</td><td>XSL Formatting Objects</td></tr></table>	Day	Seminar		Topic	Schedule		Begin	End	Monday	8:00 a.m.	5:00 p.m.	Introduction to XML			Validity: DTD and Relax NG	Tuesday	8:00 a.m.	11:00 a.m.	XPath	11:00 a.m.	2:00 p.m.	XSL Transformations	2:00 p.m.	5:00 p.m.	Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects			
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2.		Write the HTML code to design the following layout and apply CSS box model. Application Form First Name: Last Name: Date of birth: mm / dd / yyyy Age: Gender: ☐ Male ☐ Female Email Address: Positions Available: ☐ Junior Developer ☐ Mid-level Developer ☐ Senior Developer Programming Languages: ☐ Java ☐ JavaScript ☐ Python Password: Confirm Password: Submit Reset	10	1	3																												



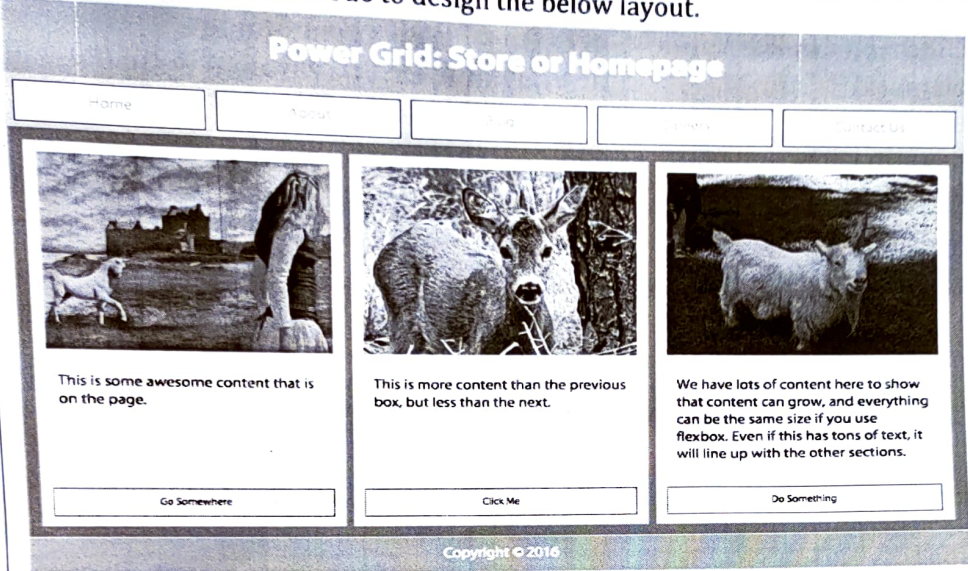
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3.	Write the HTML and CSS code to design the below layout. 	10	1	3
4.	Write a HTML code to design a form which contains 3 text boxes labelled as Number 1, Number 2, Result and 4 button labelled as Addition, Subtraction, Multiplication and Division. Let the user enters two numbers in the first two text boxes followed by clicking a button. The Result box displays the result of the selected arithmetic process. Write a Java Script function to perform the operations for every button on click event to display the operations result.	10	2	5
5.	Implement a code for creating a HTML form to get a paragraph as a string in textbox and a button. Write a Java Script function to perform the following on click event and display the output in alert box. - Number of sentences in the given input paragraph - Reverse each word of the sentences. - Display the count of vowels in the reversed words of sentences.	10	2	6
