


1RV23AS003

		R V College of Engineering Department of Computer Science and Engineering CIE - I: Question Paper																					
Subject : (Code)		Introduction to Web Programming (CS125AIB)		Semester : 2nd BE																			
Date : 14/05/2024		Duration : 90 minutes		Staff : Dr.Pratiba D																			
Name :		USN :		Section :																			
PART-A																							
		M	BT	Co																			
✓	Design an XHTML code for constructing a following table to illustrate table handling in a web page. Properly align cells, give suitable cell padding and cell spacing, and apply bold and emphasis necessary.	10	L2	2																			
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">SAMPLE MENU TIMETABLE</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center;">MONDAY</td> <td rowspan="3" style="text-align: center;">BREAKFAST</td> <td style="text-align: center;"><i>IDLY</i></td> </tr> <tr> <td style="text-align: center;"><i>DOSA</i></td> </tr> <tr> <td style="text-align: center;"><i>PONGAL</i></td> </tr> <tr> <td style="text-align: center;">BREAK</td> <td style="text-align: center;"><i>SNACKS</i></td> </tr> <tr> <td></td> <td style="text-align: center;">DINNER</td> <td style="text-align: center;"><i>MEALS</i></td> </tr> <tr> <td rowspan="3" style="text-align: center;">TUESDAY</td> <td rowspan="2" style="text-align: center;">BREAKFAST</td> <td style="text-align: center;"><i>VEGETABLES</i></td> </tr> <tr> <td style="text-align: center;"><i>TIFFIN ITEMS</i></td> </tr> <tr> <td style="text-align: center;">DINNER</td> <td style="text-align: center;"><i>FRUITS</i></td> </tr> </tbody> </table>					SAMPLE MENU TIMETABLE			MONDAY	BREAKFAST	<i>IDLY</i>	<i>DOSA</i>	<i>PONGAL</i>	BREAK	<i>SNACKS</i>		DINNER	<i>MEALS</i>	TUESDAY	BREAKFAST	<i>VEGETABLES</i>	<i>TIFFIN ITEMS</i>	DINNER	<i>FRUITS</i>
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✓	Create a web site using HTML for an online super market. Your website should have a home page which helps the user to navigate to various other pages. Every web page in the website give a detailed description of different items present in the super market and must be stored in separate documents that are accessible through links from the home document. Make a website user friendly by adding relevant images and other options. The last web page should present a feedback form for the customer.	10	L3	2																			
3a.	Differentiate between Web browsers and Web servers. Give some examples. Explain the characteristics of Web servers.	6	L1	1																			
3b.	How domain name conversion happens on the web? Describe the concept, with a figure, by considering a suitable example.	4	L1	1																			
4a.	Create an XHTML document to create a list of items with the following contents. 10. CITY1 ○ PP ○ KK 9. CITY2 i) NN ii) MM 8. CITY3 • EE • FF 7. CITY4 A. XX B. TT	4	L2	2																			
4b.	How are the HTTP requests sent and how the HTTP responses are received? Give an example for both request and response structure.	6	L1	1																			

5.	<p>Design a HTML Form to collect information from Students/Alumni to store their personal information. Use appropriate XHTML code wherever applicable.</p> <ol style="list-style-type: none"> 1. Collect Name, StudentID, Age through text box. 2. Gender (Male/Female) and Currently Studying(Yes/No) to be collected through radio buttons. 3. Use appropriate HTML Element to collect Student Address. 4. Use drop down list to collect Year of passout (2017-2022). 5. Use checkbox to allow the student/alumni to check his interests (eg: Networks, Programming, Personality development etc ... any five) in addressing senior/current students in the institute. 6. Create a button with the name "Submit" and "Reset" 	10	L2	2
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CO1	Understand the basic syntax and semantics of HTML/XHTML
CO2	Apply HTML/XHTML tags for designing static web pages and forms using Cascading Style Sheet.
CO3	Develop Client-Side Scripts using JavaScript.
CO4	Demonstrate web-based applications with database.

	L1	L2	L3	L4	L5	L6	CO1	CO2	CO3	CO4
Total Marks	16	24	10	-	-	-	16	34	-	-



R V College of Engineering
Department of Computer Science and Engineering
CIE - II: Question Paper

Subject : (Code)	Introduction to Web Programming (CS125AIB)	Semester : 2nd BE
Date : 22/06/2024	Duration : 90 minutes	Staff : Dr.Pratiba D
Name :	USN :	Section :

PART-A		M	BT	Co
1.	Design a web page with the following requirements: <ul style="list-style-type: none">The webpage should have two frames in one row. Two frames of size 60 percent and 40 percent.One frame should have at least four links and another frame will display those documents . The links must be names of cars; the documents must be at least one-line description of the car.	10	L2	1
2.	Explain the following selector forms with an example for each. <ul style="list-style-type: none">a. Simple Selectorb. Class Selectorc. Generic Selectord. Universal Selector	10	L1	2
3a.	Write a JavaScript program to find the maximum of three numbers using alert method. Note: Input the numbers using prompt method.	5	L2	3
3b.	Create an XHTML document to display the name of the day using the method of the Date object using JavaScript code.	5	L2	3
4a.	Write a JavaScript program to find the first n natural numbers using for loop.	4	L1	3
4b.	Differentiate between the three different levels of style sheet. Illustrate it with an example.	6	L1	2
5.	Create a web page by writing an HTML document that has two paragraphs of text with the following properties: <ul style="list-style-type: none">Margin of 12 px to the top & bottom and 15px to the left & rightPadding of 10px to the top, 14px to the right, 16px to the bottom, and 20px to the leftThe text should be aligned and decorated in the center of the web page.All the border style, width and color should be different for all the sides of a border.	10	L3	2

CO1	Understand the basic syntax and semantics of HTML/XHTML
CO2	Apply HTML/XHTML tags for designing static web pages and forms using Cascading Style Sheet.
CO3	Develop Client-Side Scripts using JavaScript.
CO4	Demonstrate web-based applications with database.

	L1	L2	L3	L4	L5	L6	CO1	CO2	CO3	CO4
Total Marks	20	20	10	-	-	-	10	26	14	-

2
14/6/24



R V College of Engineering
Department of Computer Science and Engineering
Improvement Test Question Paper

Subject : (Code)	Introduction to Web Programming (CS125AIB)	Semester : 2nd BE
Date : 03/07/2024	Duration : 120 minutes	Staff : Dr. Pratiba D
Name :	USN :	Section :

PART-A				M	BT	Co
1.	How the values will be considered for all the sides of a border for the following statement in CSS? border-color: red;green;blue;			2	L2	2
2.	Which property is used to achieve tiling of the background image?			1	L1	2
3.	Give an example for conflict resolution in CSS by considering different selectors and weight of the specification.			2	L2	2
4.	How will you specify the values for the shorthand property 'font' in CSS? Give an example.			1	L1	2
5.	Find the output of the following JavaScript code. function display() { var p= 30+70+"aabb"; var q="ccdd"+30+70; document.write(p); document.write(q); }			2	L2	3
6.	Write an example for ID Selector to specify the styles in CSS.			2	L2	2
PART-B						
1.	Construct a web page by writing an XHTML document that has six paragraphs of text that describes your college and your department where you are studying. Write CSS rules such that there are three different paragraph styles p1, p2 and p3. The p1 style must use font family as Arial, a background color of pink and font size as 20 points. The p2 style must use left and right margins of 40 pixels, font family as Times New Roman and a background color of yellow. The p3 style must use a text indent of 1cm, a background color of green and a foreground color of white. The first and fourth paragraph must use p1, the second and fifth must use p2 and the third and sixth must use p3. All of the styles must be in a document style sheet.			10	L2	2
2.	i) What is the purpose of Date object in JavaScript? List and explain any 5 methods that retrieve information from the Date object with an example for each. ii) Create an XHTML document to display the name of the month using the method of the Date object using JavaScript code.			10	L2	3
3a.	Design an XHTML document with a JavaScript code that contains a function			5	L3	3

	called test_phoneno which tests the phone number of the format ddd-ddd-dddd and displays whether the given phone no is valid or not using alert method.			
3b.	Explain the following methods with an example for each. i) alert() ii) confirm() iii) prompt()	5	L1	2
4a.	Create an XHTML document that displays a table of football scores at national games in which the team names have their respective team colors. The score of the leading/winning team should appear larger and in different font than the losing team. Use CSS. All of the styles must be in an external style sheet.	6	L2	2
4b.	Design an XHTML page to demonstrate wrapping of text around an image. The image should be placed right.	4	L2	2
5.	Write a program to make a simple calculator to perform the arithmetic operations (Addition, Subtraction, Multiplication and Division) in JavaScript. Note: The user is prompted to enter an operator (either +, -, * or /) and two numbers. I) Simple Calculator using else if ladder II) Simple Calculator using switch statement	10	L3	3

CO1	Understand the basic syntax and semantics of HTML/XHTML
CO2	Apply HTML/XHTML tags for designing static web pages and forms using Cascading Style Sheet.
CO3	Develop Client-Side Scripts using JavaScript.
CO4	Demonstrate web-based applications with database.

	L1	L2	L3	L4	L5	L6	CO1	CO2	CO3	CO4
Total Marks	7	38	15	-	-	-	-	33	27	-

RV COLLEGE OF ENGINEERING®

(An Autonomous Institution affiliated to VTU)

I / II Semester B. E. Regular / Supplementary Examinations Aug-2024

INTRODUCTION TO WEB PROGRAMMING

Time: 03 Hours

Maximum Marks: 100

Instructions to candidates:

1. Answer all questions from Part A. Part A questions should be answered in first three pages of the answer book only.
2. Answer SIX full questions from Part B. In Part B question number 2 and 11 are compulsory. Answer any one full question from 3 and 4, 5 and 6, 7 and 8 & 9 and 10.

PART-A

M BT CO

1	1.1	Differentiate between <i>HTML</i> and <i>XHTML</i>	02	2	1
	1.2	Which property is used to achieve tiling of the background image?	01	1	1
	1.3	How the values will be considered for all the sides of a border for the following statement in <i>CSS</i> ? <i>border - color: pink; yellow; blue;</i>	02	2	2
	1.4	How will you specify the values for the shorthand property 'font' in <i>CSS</i> ? Give an example.	01	1	2
	1.5	What is the output of the following Javascript code? < script type = "text/javascript" > var st = "hyusde * &546"; var i = parseInt(st); document.write(i); </script >	01	2	3
	1.6	Find the output of the following Javascript code. function display() { var p = 80 + 90 + "xxyy"; var q = "kkpp" + 25 + 45; Document.write(p); Document.write(q); }	02	2	3
	1.7	Write a <i>SQL</i> statement to select all the columns from a given table.	01	1	3

PART-B

2	a	How domain name conversion happens on the web? Describe the concept, with a figure, by considering a suitable example.	04	1	1
	b	Write short notes on i) <i>HTTP</i> Request Phase ii) <i>HTTP</i> Response Phase	10	2	1
3	a	Design a <i>HTML</i> Form to collect information from school students appearing for an essay competition. Use appropriate <i>XHTML</i> code wherever applicable. (Check for syntax and appropriateness)			

- Collect Name, StudentID, School Name, Class studying in and Age through text box.
- Collect School Address and Home address using an appropriate element.
- Gender (Male/Female) and currently enrolled in competition (Yes/No) to be collected through radio buttons.
- Use drop down to select preferred online platform (Google meet, CISCO, WebEx, Zoom, Microsoft Teams etc.)
- Use checkbox to allow student to check the probable areas that the essay he is interested to participate in (Environment, Politics, History, Finance etc.)

08 2 1

b Design a web page with the following requirements:

- The webpage should have two frames in one column. Two frames of size 60 percent and 40 percent.
- One frame should have at least two links and another frame will display those documents.
- The links must be names of flowers; the documents must be at least one – line description of the flowers.

06 2 1

OR

4 a Design an XHTML code for constructing a following table to illustrate table handling in a web page. Properly align cells, give suitable cell padding and cell spacing, and apply bold and emphasis necessary.

SAMPLE COURSE TIMETABLE		
Day 1	Lecture Timings	9.00 – 10.00
		10.00 – 11.00
		11.30 – 12.30
Day 2	9.00 – 11.00	Lab component
	11.00 – 11.30	Break
	9.00 – 11.00	COURSE 1
Day 2		COURSE 2
	11.30 – 12.30	COURSE 3

10 3 1

b Write short notes on:
i) Ordered List
ii) Unordered List.

04 1 1

5 a Explain the following selector forms with an example for each.

- Simple Selector
- Class Selector
- Generic Selector
- Id Selector

08 2 2

b Write an XHTML document that contains at least three lines of text from a textbook. Every verb in the text should be pink, every noun must be red & every preposition must be yellow and specify the styles in an external style sheet and use class selector form.

06 2 2

OR

6 a Create an XHTML document that displays a stable of football scores at national games in which the team names have their respective team colors. The score of the leading /winning team should appear larger and in different font than the losing team. Use CSS. All of the styles must be in a document style sheet.

06 2 2

b Create a web page by writing an HTML document that has two paragraphs of text with the following properties:

- Margin of 5px to the top & bottom and 10px to the left & right
- Padding of 10px to the top, 20px to the right, 10px to the bottom, and 20px to the left.
- The text should be aligned and decorated in the center of the web page.
- All the border width and color should be different for all the sides of a border.

08 3 2

7 a Write a program to make a simple calculator to perform the arithmetic operations (Addition, Subtraction, Multiplication and Division) in JavaScript.
Note: The user is prompted to enter an operator (either +, -, * or /) and two numbers.

b Write a JavaScript to accept three numbers, using prompt method. Find and display largest of three numbers using alert method.

10 3 3

04 2 3

OR

8 a Write a JavaScript code to create an Array called Programming Languages consisting of elements such as C, CSharp, Java, etc. (atleast 5). Order it in alphabetical order. Display both Alphabetical order and the reversed order of the elements. Perform push, pop, slice and shift activities on the elements and display the appropriate output on the HTML page.

10 2 3

b Explain the different methods (Any 4) of the Date Object in JavaScript.

04 1 3

9 Explain the following statements in SQL. Give an example for each.

- Create
- Insert
- Delete
- Drop

14 2 4

OR

10 Create the following Tables solve the queries in SQL:

User(Id, name, age, gender, occupationId, cityId)

Occupation(occupationId, occupationName)

City(cityId, cityName)

- Insert 2 records into each table
- Find the information of users whose age is greater than 30.
- Remove a record from occupation table.
- Drop city table from the database.
- Display the users' details who live in same city.

14 3 4

LAB COMPONENT

11 a Define Constructors in JavaScript. Write a program to create a Student object with the properties namely Student Name, Student RollNo, Student Marks and initialize the values for data properties. Display the details of Student object by initializing the display method.

10 4 3

b Write a JavaScript for validating the University Seat Number. The sample seat number is F134-45-7912. The first letter can be K, P, R or F. Then a three digit college code must appear. It should be then followed by the branch code which will be of two digits and then there should be four digit candidate code.

10 4 4