



P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Sixth Semester, B.E- Computer Science and Engineering

Semester End Examination; August - 2023

Web Technologies

Time: 3 hrs

Max. Marks: 100

Course Outcomes

The Students will be able to:

CO1: Develop web pages using various XHTML tags.

CO2: Design effective web pages using various style properties.

CO3: Design interactive web pages using java script.

CO4: Create dynamic documents using DOM object model.

CO5: Implement web pages using PHP scripts.

Note: I) PART-A is compulsory. Two marks for each question.

II) PART-B: Answer any Two sub questions (from a, b, c) for a Maximum of 18 marks from each unit.

Q. No.	Questions	Marks	BLs	COs	POs
I : PART - A		10			
1 a.	Define Internet and IP address.	2	L1	CO1	PO1
b.	Mention the purpose of and <div> tags.	2	L2	CO2	PO1
c.	List string properties and methods in java script.	2	L2	CO3	PO1
d.	Define event and event handler.	2	L2	CO4	PO1
e.	Define for each loop with example.	2	L2	CO5	PO1
II : PART - B		90			
UNIT - I		18			
2 a.	What are domain names? With a block diagram, explain domain name conversion into IP address	9	L2	CO1	PO1
b.	Briefly explain the following: i) <a> ii) iii) <pre>	9	L3	CO1	PO2
c.	Explain the different phases of Hypertext Transfer Protocol with example.	9	L2	CO1	PO1
UNIT - II		18			
3 a.	Create an XHTML document to describe a table with the following contents: i) The column of the table must have the headings Apple, Mango, Grapes ii) The rows must have the labels Breakfast, Lunch, and Dinner Fill the data cells with some values	9	L6	CO2	PO3
b.	Explain the different levels of style sheets with suitable examples.	9	L2	CO2	PO1
c.	Explain Box model in CSS.	9	L3	CO2	PO2

UNIT - III**18**

- 4 a. Explain Math object and Date object in java script. 9 L2 CO3 PO2
- b. Write a java script program to find the roots of quadratic equation. 9 L3 CO3 PO3
- c. Write an XHTML document that includes java script to accept three numbers using prompt and to display the largest of three numbers. 9 L6 CO3 PO3

UNIT - IV**18**

- 5 a. What is DOM? Describe the DOM structure for a simple document. 9 L2 CO4 PO1
- b. What are the different ways to access elements in java script? Explain with its drawbacks. 9 L2 CO4 PO2
- c. Write a java script that illustrates the stacking of elements. 9 L6 CO4 PO3

UNIT - V**18**

- 6 a. List and Explain string functions in PHP. 9 L2 CO5 PO2
- b. Explain sorting of arrays in PHP. 9 L2 CO5 PO2
- c. Discuss different file operations of PHP. 9 L3 CO5 PO2

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