

**P.E.S. College of Engineering, Mandya - 571 401***(An Autonomous Institution affiliated to VTU, Belagavi)***Fifth Semester, B.E. - Computer Science and Engineering****Semester End Examination; February / March - 2022****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 interactive web pages using java script.**CO3: Create dynamic documents using DOM object model.**CO4: Develop web pages using PHP scripts.**CO5: Implement simple application using Ajax.***Note: I) PART - A is compulsory. Two marks for each question.****II) PART - B: Answer any Two sub questions (from a, b, c) for Maximum of 18 marks from each unit.**

Q. No.	Questions	Marks	BLs	COs	POs
<b>I : PART - A</b>		<b>10</b>			
I a.	What is the task of a DNS server?	2	L1	CO1	PO1
b.	What is the use of <meta> and <input> tags?	2	L1	CO2	PO1
c.	What is event and event handler?	2	L1	CO3	PO1
d.	Explain internal logical structure of an array in PHP.	2	L1	CO4	PO2
e.	Explain Dojo toolkit.	2	L1	CO5	PO1
<b>II : PART - B</b>		<b>90</b>			
<b>UNIT - I</b>		<b>18</b>			
1 a.	With the help of a block diagram, explain the domain name conversion into IP address.	9	L2	CO1	PO2
b.	Explain with example each of the following tags: i) <img>      ii) <a>      iii) <pre>      iv) <p>      v) <select>	9	L2	CO1	PO1
c.	Develop a XHTML document that has a form with the following controls with submit and reset buttons. A text box to collect the user's name, four check boxes, one each for the following items: i) Four 100-watt bulbs for \$ 2.39 ii) Eight 100-watt bulbs for \$ 4.39 iii) Four 100-wtt, long life light bulbs for \$ 3.39 iv) Four 100-watt, long life light bulbs for \$ 7.39 A collection of three radio buttons that are labeled as follows: i) Visa ii) Master card iii) Discover submit and reset buttons.	9	L3	CO1	PO2

**UNIT - II****18**

- 2 a. What is CSS? Describe the different levels of style sheets and their precedence. 9 L1,2 CO2 PO2
- b. Develop a Java script for the following programs:
- i) Input : string  
Output : check whether input string is palindrome or not 9 L3 CO2 PO2
- ii) Input : a text string, using prompt  
Output: “Legal name” or “Illegal name”, depending on whether the input name fit the required format, which is last name, first name, middle initial
- c. Briefly explain Math object methods with examples in JavaScript. 9 L3 CO2 PO2

**UNIT - III****18**

- 3 a. Write a JavaScript program to compute roots of a quadratic equation. 9 L6 CO3 PO2
- b. Write a JavaScript program to check the validity of phone number. 9 L6 CO3 PO2
- c. Explain different properties of positioning of elements in JavaScript with examples. 9 L2 CO3 PO1

**UNIT - IV****18**

- 4 a. Explain the commonly used string functions in PHP. 9 L2 CO5 PO2
- b. With PHP program, explain the different control statements in PHP. 9 L2 CO5 PO2
- c. Create a XHTML document with PHP to display the number, square root, square, cube and quadruple using sqrt and pow functions. 9 L6 CO5 PO2

**UNIT - V****18**

- 5 a. Explain the layouts with respect to rails. 9 L2 CO5 PO2
- b. Explain request and response phase of Ajax. 9 L2 CO5 PO1
- c. Explain life cycle of a simple ASP.NET document. 9 L3 CO5 PO1

\* \* \* \*