

U.S.N

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

(An Autonomous Institution affiliated to VTU, Belagavi)

Second Semester, B.E. - Semester End Examination; Sep. / Oct. - 2023

Introduction to Web Programming

(Common to IS&E)

Time: 3 hrs

Max. Marks: 100

Course Outcomes

The Students will be able to:

CO1: Explain the historical context and justification for HTML over XHTML.

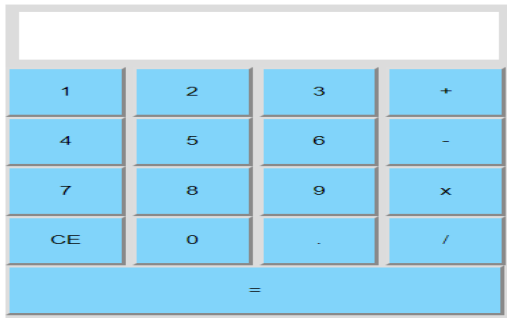
CO2: Develop HTML5 documents and adding various semantic markup tags.

CO3: Analyze various attributes, values and types of CSS.

CO4: Implement core constructs and event handling mechanisms of JavaScript.

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. | Write the structure of HTML. | 2 | L1 | CO1 | PO1 |
| b. | What is Hypertext link in XHTML document? | 2 | L1 | CO1 | PO1 |
| c. | Define universal selector. | 2 | L1 | CO3 | PO1 |
| d. | What do you mean by cell spanning? | 2 | L1 | CO3 | PO1 |
| e. | What is the scope of a local variable? | 2 | L1 | CO4 | PO1 |
| II : PART - B | | 90 | | | |
| UNIT - I | | 18 | | | |
| 2 a. | List and demonstrate the rules of (X) HTML. | 9 | L2 | CO1 | PO1 |
| b. | Describe any six (X) HTML tags supported in document head and body element. | 9 | L2 | CO1 | PO1 |
| c. | Create following calculator with HTML code, | | | | |
|  | | | | | |
| UNIT - II | | 18 | | | |
| 3 a. | Write the HTML5 web page that includes following inline elements, i) Indicating Date and time ii) Inserting a Figure | 9 | L3 | CO2 | PO1,2,3 |
| b. | What is the use of command element and its attributes in HTML5. Explain with the help of code snippet. | 9 | L2 | CO2 | PO1 |

- c. Develop the HTML5 document which includes Semantic tags like - <article>, <aside>, <details>, <figcaption>, <figure>, <footer>, <header>, <main>, <mark>, <section> in a webpage that gives information about travel experience.

9 L3 CO2 PO1,2,3

UNIT - III

18

- 4 a. With an example, explain various Selector Forms used in XHTML document.
- b. Explain span and div elements with an example.
- c. Explain font and text properties of CSS with example.

9 L2 CO3 PO1

9 L2 CO3 PO1

9 L2 CO3 PO1

UNIT - IV

18

- 5 a. Explain different href attribute values and their jumping effects in a document.
- b. What is the need of Responsive Web Design (RWD)? Explain resolution switching with example.
- c. Create a HTML5 document for the following table by using cell spanning thead and t-body elements.

9 L2 CO3 PO1

9 L2 CO3 PO1

| NAME | SUBJECT | MARKS |
|---------------------|------------------|-------|
| Hillary | Advanced Web | 75 |
| | Operating Syatem | 60 |
| Lary | Advanced Web | 80 |
| | Operating Syatem | 75 |
| Total Average: 72.5 | | |

9 L3 CO2,3 PO1,2,3

UNIT - V

18

- 6 a. Create a web page containing three overlapping images using HTML, CSS and JS. Further when the mouse is over any image, it should be displayed on the top of the document.
- b. What is function in JavaScript? Explain syntax of function definition with an example.
- c. Describe Document Object Model in JavaScript.

9 L3 CO1,2,3,4 PO1,2,3

9 L2 CO4 PO1

9 L2 CO4 PO1