



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; June - 2017

Web Technology

Time: 3 hrs

Max. Marks: 100

Note: Answer **FIVE** full questions, selecting **ONE** full question from each unit.

UNIT - I

- 1 a. Explain the task of DNS name server. 5
- b. Explain response phase of HTTP. 5
- c. Give syntax and example for each of the following : 10
- i) <Pre> ii) <Sup> iii) <Sub> iv) <blockquote> v) <a>.
- 2 a. Explain the following with respect to table creation in XHTML document : 10
- i) Align and Valign attributes ii) tr, th and td
- iii) Rowspan and Colspan attributes iv) Cellpadding and cellspacing attributes.
- b. Explain all controls that are created with the <input> tag with examples. 6
- c. What is the purpose of MIME type specification in request and response transaction between browser and server? 4

UNIT - II

- 3 a. Explain different levels of style sheets with their format specification. 8
- b. Explain the following style properties with suitable example : 8
- i) Font properties ii) List properties iii) Color.
- c. What is the purpose of and <div> tag? 4
- 4 a. Describe function in java script. Write XHTML and java script function to compute and print factorial of a number. 10
- b. Explain the screen output and keyboard input methods with example. 6
- c. State major differences between java and java script. 4

UNIT - III

- 5 a. Write a XHTML document which displays a form containing text elements to input register number, sub-code, marks in three tests and a button element. Also write java script code to compute average of two better tests on click of button and print average marks using alert. 10
- b. What is element positioning? Explain absolute and relative positioning of element in java script. 10

- 6 a. Write a java script to compare two passwords. 8
- b. Discuss different approaches to element access in java script with example. 6
- c. With example, explain the following event attributes : 6
- i) onblur ii) onfocus iii) onload.

UNIT - IV

- 7 a. How does XSLT processor use an XSLT style sheet with XML document? 6
- b. Describe briefly an XML namespace. 4
- c. What is DTD? Create document type definition for the following : 10
- Plane (year, make, model, color, description, price, seller (phone, email), location).
- 8 a. List and explain commonly used string function in PHP with example. 10
- b. Explain how arrays are created, accessed and modified in PHP with example. 10

UNIT - V

- 9 a. Describe how a Rail application that uses a database is constructed. Assume suitable database example. 10
- b. Write a note on : 10
- i) Directory structure of Rail
- ii) Layouts
- iii) Application controller class.
- 10 a. With a neat diagram, explain traditional and Ajax browser/server interaction. 6
- b. Describe the request and receive phase in Ajax. 8
- c. Discuss the functions that can be used to trigger an Ajax request. 6

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