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

(An Autonomous Institution affiliated to VTU, Belgaum)

Seventh Semester, B.E. – Information Science and Engineering

Semester End Examination ; Dec. - 2014

Web Technology

Time: 3 hrs

Max. Marks: 100

Note: Answer any FIVE full questions, selecting at least TWO full questions from each part.

PART – A

1. a. Briefly explain the following : 10
 - i) WWW ii) Hyperlink iii) MIME iv) W3C v) XML
- b. Explain the phases of hypertext transfer protocol in detail. 10
2. a. With example explain any 5 inline tags. 5
- b. Explain different types of lists provided by HTML. 8
- c. Create an XHTML document to describe an unordered list of at least four states Each element of the list must have a nested lists of at least 3 cities in the state. 7
3. a. Create an XHTML document to describe a table with the following contents: The columns of the table must have the heading pine, maple, oak and fir. The row must have the labels average height, average width, typical life span and leaf type you can make up the data cell values. 12
- b. What are frames? Explain with the help of an example. Also give its HTML code. 8
- 4 a. Explain the different kinds of selector forms used in CSS with examples. 10
- b. Explain the and <div>tags with an example. 10

PART – B

- 5 a. List the control statements available in Java script. Write an XHTML document and java script to print the given number in the reverse order. 10
- b. How are the arrays handled in Java Script? Explain how creation, deletion and modification of object can be achieved in Java Script. 10
- 6 a. What are events? Explain the following events with an example: 10
 - i) on load ii) On Mouse over iii) On click iv) On mouse out
- b. Write a Java script and XHTML document that collects the USN of the user. Check for the validity of the input USN. Messages in the alert window must be produced when error is detected. (USN format is DAADDAADDD). 10
- 7 a. Explain the following with example: 10
 - i) Absolute Positioning ii) Element visibility.

- b. Create a document that must contain 4 short paragraphs of text, stacked on top of each other with only enough of each showing so that the mouse cursor can always be placed over some part of them. When the cursor is placed over exposed part of any paragraph it should rise to the top to become completely visible. 10
- 8 a. Explain the declaration of elements, entities and attributes with example in DTD. 10
- b. Explain in detail the structure of XML schemas. 10

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