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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; May/June - 2018
Web Technologies

Time: 3 hrs   Max. Marks: 100

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

UNIT - I

1 a.	What are domain names? Explain the task of DNS name server.	5
b.	Explain the different phases involved in hypertext transfer protocol.	10
c.	Explain any two common tools used in Web programming.	5
2 a.	Explain standard structure of XHTML document.	6
b.	Write an XHTML document to describe an order list of your five favorite movies, each element of the list must have a nested list of atleast two actors in your favorite movies.	10
c.	What tag and attribute are used to define a link?	4

UNIT - II

3 a.	What is CSS? Explain the three levels of style sheets with their format specification.	8
b.	Explain the different types of selector forms with example.	8
c.	What are the uses of <span> and <div> tags?	4
4 a.	Write a JavaScript program to check the validity of phone number and name.	10
b.	Create an XHTML document which includes JavaScript functions for the following : Parameter : A number Output : Number with its digits in reverse order	10

UNIT - III

5 a.	What is DOM? Describe DOM structure for simple document.	6
b.	Discuss the different approaches of XHTML element access in JavaScript.	6
c.	Illustrate with JavaScript program, handling of events from button element.	8
6 a.	Explain the different ways of element positioning with examples.	6
b.	Write JavaScript code that illustrates dynamic stacking of images.	10
c.	Explain element visibility with an example.	4

UNIT - IV

7 a.	Define DTD. With example, explain how elements, attributes and entities are declared?	10
b.	With neat diagram, explain the transformation process by an XSLT processor.	6
c.	Describe XML namespaces and their definition syntax.	4

8 a. With an example, explain string functions in PHP. 10

   b. Create an XHTML document with PHP to display number, its square root, square and cube in table form for numbers from 2 to 15. 10

UNIT - V

9 a. Explain how a Rail reacts to dynamic documents? 10

   b. Explain the directory structure for the Rails application. 10

10 a. Explain the characteristics of Ajax. Explain traditional and Ajax browser interaction with diagram. 10

   b. Discuss briefly functions that are used to trigger Ajax in Rail. 10

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