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Seventh Semester B.E. Degree Examination, June 2012
Programming the Web

Time: 3 hrs.

Max. Marks:100

**Note: Answer FIVE full questions, selecting
 atleast TWO questions from each part.**

PART – A

- 1 a. Explain the concept of domain name conversion, with figure and a suitable example. (05 Marks)
 b. Explain the request phase of HTTP. (05 Marks)
 c. Explain the following tags with syntax and an example for each : (10 Marks)
 i) <p> ii) <pre> iii) <sup> iv) <sub> v) <blockquote>.
- 2 a. Write an XHTML document to describe an ordered list of four states. Each element of the list must have an unordered list of at least two cities in the state. (05 Marks)
 b. Explain the syntactic differences between HTML and XHTML. (05 Marks)
 c. Explain the following, with respect to table creation in XHTML documents. (10 Marks)
 i) <table> ii) tr, th, and td attributes iii) rowspan and colspan attributes
 iv) align and valign attributes v) cell padding and cell spacing.
- 3 a. Explain all selector forms. (05 Marks)
 b. Explain the usage of different levels of style sheets, with syntax and example. (05 Marks)
 c. Explain the following, with an example for each. (10 Marks)
 i) pseudo classes ii) background images iii) alignment of text
 iv) text decoration v) and <div>.
- 4 a. Explain the screen output and keyboard input methods, with examples. (08 Marks)
 b. Explain the Javascript array methods, with examples. (07 Marks)
 c. Write an XHTML document and Javascript function to compute and print reverse of a given number. (05 Marks)

PART – B

- 5 a. Explain with example, the different approaches of addressing XHTML elements in Javascript. (06 Marks)
 b. Explain with an example on focus event in Javascript. (06 Marks)
 c. Write a Javascript to compare two passwords. (08 Marks)
- 6 a. With examples, explain the absolute and relative positioning of elements in Javascript. (08 Marks)
 b. Write a Javascript that illustrates dynamic stacking of images. (08 Marks)
 c. Explain the element visibility, with examples. (04 Marks)
- 7 a. What is document type definition (DTD)? Describe the approach to declare element entities and attributes. (10 Marks)
 b. Explain briefly an XML namespace. (04 Marks)
 c. Explain the purposes of XML processor. (06 Marks)
- 8 a. Explain the string functions of PERL, with examples. (06 Marks)
 b. Write a Perl program with use of arrays to read the names, convert them to uppercase letters and the array to be sorted and displayed. (06 Marks)
 c. With examples, explain how files are handled in Perl. (08 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.