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**Seventh Semester B.E. Degree Examination, Dec.2019/Jan.2020**  
**Programming the Web**

Time: 3 hrs.

Max. Marks:100

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

**PART – A**

- 1 a. What is HTTP? Explain its phases in detail. (10 Marks)
- b. Explain the following tags with example:  
(i) < a >      (ii) < img >      (iii) < blockquote >      (iv) < meta > (08 Marks)
- c. Explain MIME type specifications. (02 Marks)
- 2 a. Explain the following with respect to table creation in XHTML documents:  
(i) Align and valign attributes  
(ii) Rowspan and colspan attributes  
(iii) Cell Padding and Cell spacing attributes. (06 Marks)
- b. Different between HTML and XHTML. (06 Marks)
- c. List out the variety of selector forms available in CSS and explain in detail. (08 Marks)
- 3 a. Explain the different levels of style sheets available in CSS. (04 Marks)
- b. Explain the concept of object creation and modification in Javascript. (08 Marks)
- c. Explain with examples, the screen output and keyboard input methods. (08 Marks)
- 4 a. Explain events and event handling in Javascript. (10 Marks)
- b. Explain the different types of positioning elements in Javascript with example. (10 Marks)

**PART – B**

- 5 a. Explain XML Document Type Definitions with example. (10 Marks)
- b. With a neat diagram explain the transformation process by an XSLT processor. (07 Marks)
- c. Explain the purposes of XML processors. (03 Marks)
- 6 a. Explain string functions in PERL. (05 Marks)
- b. Explain the concept of Arrays in PERL. (06 Marks)
- c. What is CGI? With a neat diagram, explain communication configuration for CGI. (09 Marks)
- 7 a. Explain the four scalar types of PHP. (06 Marks)
- b. Explain how to create a cookie in a PHP script. (08 Marks)
- c. Explain Session Tracking in a PHP script. (06 Marks)
- 8 a. Explain the concept of Classes in Ruby. (10 Marks)
- b. Explain how to build the Database in Rails. (10 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.