## ACHARYA INSTITUTE OF TECHNOLOGY
### Bangalore - 560090

USN ☐☐☐☐☐☐☐☐☐☐  **10CS73**

### Seventh Semester B.E. Degree Examination, Dec.2016/Jan.2017
# 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. Explain URL, MIME with proper examples. (06 Marks)
   b. Explain HTTP request phase/header. (08 Marks)
   c. Explain the following tags :
      <p>, <br/>, <pre>, <block quote>, <img>, <a>. (06 Marks)

2  a. Write a program to illustrate the nested ordered list in XHTML. (07 Marks)
   b. Explain the selector forms with an example. (06 Marks)
   c. Write a XHTML program to illustrate a form which accepts buyer's Name, Address, City, State, zip, Product name (Book, Mobile, Pen drive), Price, Quantity, Payment method (Visa, master card, Discover, Check), submit button and clear form button. (07 Marks)

3  a. Explain the JavaScript screen output and keyboard input functions with neat diagrams. (06 Marks)
   b. Explain object creation and modification in JavaScript (06 Marks)
   c. Write a JavaScript program to check the validity of phone number. (08Marks)

4  a. Explain the document object model. (06 Marks)
   b. Illustrate with JavaScript program handling of events from button element. (06 Marks)
   c. Explain positioning of elements. (08Marks)

## PART – B

5  a. Explain definition of XML name spaces with examples. (07 Marks)
   b. List and write significance of XML datatypes. (07 Marks)
   c. Write a note on XML processors. (06 Marks)

6  a. Explain arrays in Perl with examples. (08 Marks)
   b. Explain pattern matching in Perl. (06 Marks)
   c. Explain CGI linkage in client–server application. (06 Marks)

7  a. Explain the different control statements used in PhP with a PhP program. (07 Marks)
   b. Explain session tracking in web applications. (06 Marks)
   c. Write a note on PhP files. (07 Marks)

8  a. Write a note on methods in Ruby. (07 Marks)
   b. Write a note on dynamic documents in Rails. (06 Marks)
   c. Explain the layouts with respect to rails. (07 Marks)

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