2053
B.E. (Computer Science and Engineering)
Fourth Semester
CS-402: Web Technologies

Time allowed: 3 Hours

Max. Marks: 50

NOTE: *Attempt <u>five</u> questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.*

x-x-x

I. Answer the following:-

   a) What is Java and JavaScript?

   b) How PHP session is created and destroyed.

   c) Explain advantages and disadvantages of AJAX.

   d) Explain data types in PHP.

   e) Explain XML validation?   (5x2)

UNIT - I

II. Explain the following HTML tags to create form elements

   a) Textbox

   b) Dropdown list

   c) Frames

   d) Checkbox

   e) Radio button   (5x2)

III. a) Explain the working of functions in JavaScript. Create a JavaScript program to convert uppercase to lowercase letters.   (3,4)

   b) Discuss the internal and external DTD.   (3)

IV. a) Explain the web browser architecture? State differences between client and server side scripting.

   b) Explain built-in objects in JavaScript.   (2x5)

UNIT - II

V. a) Write PHP script to read contents from one file and write it to another.

   b) Write a note on XML schemas.   (2x5)

P.T.O.

VI. Explain the steps involved in connecting MySQL database from PHP. Write an example of PHP script illustrating how to retrieve and display records from database.

(2x5)

VII. Write note on the following:-
   a) HTMLCSS
   b) Cascading style sheets
   c) XML parser
   d) Get and post methods in PHP

(10)

x-x-x