2054
B.E. (Computer Science and Engineering)
Fourth Semester
CS-402: Web Technologies

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt _five_ 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) Compare salient features of web programming over application programming.

   b) Write HTML commands to display text, add graphics, and hypelinks to a document.

   c) Design a PHP code to swap any two numbers.

   d) Discuss cascading style sheets.

   e) Define simple AJAX application.   (5x2)

UNIT - I

II.   a) Write a JavaScript program to convert a decimal number into its binary equivalent.

   b) Give a description of the following in the context of HTML frames buttons tags.

                                                                       (4,6)

III.   a) What is the role of CSS? Discuss in brief about different kinds of CSS with a suitable program.

   b) Differentiate among client-side and server-side programming.   (2x5)

IV.   a) Elaborate Internet addressing and types of Internet connections.

   b) What are the drawbacks of HTML? How they are addressed in XML?   (2x5)

UNIT - II

V.   a) Write a PHP script to sort a list of numbers in an ascending order.

   b) What is the importance of AJAX in web technology? How it works?   (2x5)

P.T.O.

VI. a) Create a form and connect it with database to perform select, insert, and delete operations.

b) Design a PHP script to define and use the variables, constants, data types and operators. (2x5)

VII. Write note on the following:-

a) HTML and DHTML

b) PHP session

c) XML DOM

d) Cookies in PHP (4x2½)

x-x-x