1078

B.E. (Electronics and Communication Engineering)
Seventh Semester
EC-713: Web Technologies

Time allowed: 3 Hours   Max. Marks: 50

NOTE: *Attempt five questions in all, including Question No. VII (Unit-III) which is compulsory and selecting two questions each from Unit I - II.*

x-x-x

UNIT – I

I. a) What is an Internet connection? Explain various types of Internet connections?

   b) What do you mean by the term IP address, in a computer network? What is the format and classification of IP address? Briefly describe the utility of IP addressing.   (5,5)

II. a) Describe the structure of a HTML document. What is the difference between tag and attribute? Explain with an example.

   b) What is a frame? What is the advantage of using a frame? Clearly explain the creation of frames with an example.   (5,5)

III. a) What is the purpose of a dialog box? Explain Alert dialog box, Confirmation dialog box and Prompt dialog box which are available in Java Script by taking appropriate examples.

   b) What is Cascading Style Sheet? What are the benefits of using styles compared with placing formatting directly into the text of the Web page? Describe the different ways that styles can be added to a page. Explain with examples.
                                                                             (5,5)

UNIT – II

IV. a) List four differences between a Java application program and Java applet program, with an example of each type of program. Explain the life cycle of applet, briefly describing all its methods.

   b) What is multithreading? Explain this with an example of how inter-thread communication takes place in Java.   (5,5)

P.T.O.

V.   a) Briefly describe the control structures used in Java. Distinguish between while loop and do while loop with the help of a program written in Java.

b) Write a Java program to show how multiple exceptions are handled. Also explain the need of finally block in exception handling.   (5,5)

VI. a) Briefly describe the naming rules for XML elements and attributes. Explain briefly what it means to say that an XML document is well formed and valid.

b) What is the purpose of a Document Type Description (DTD)? Identify two methods of binding a DTD to an XML Document.   (5,5)

UNIT – III

VII. Attempt the following:-
   a) What is the difference between WWW and Internet?
   b) How do you add graphics to HTML page?
   c) What is Document Object Model in JavaScript?
   d) What is the importance of namespaces in XML?
   e) What is Image Mapping?   (5x2)

x-x-x