Roll No. ....

Total Pages : 03

BT-7/D-19   37002

WEB ENGINEERING

CSE-403

Time : Three Hours]   [Maximum Marks : 75

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) Justify the roles of using breadh first search and depth first search for the effective implementation of information architecture and their design paradigms.   10

    (b) Why the architectural Page Mockups are used ?   5

2. (a) Recognize the various challenges which are involved in organizing information.   8

    (b) Identify the design paradigms which are involved in organizing Web Sites and Intranets.   7

Unit II

3. (a) Write a program in HTML for the following :
    (i)   Canvas Element   3
    (ii) Client and server side image map   3
    (iii) Add video and audio.   3

    (b) Differentiate between container and non-container tags in HTML.   6

4. (a) Identify the important advantages of using cascading style sheets ? Explain inline and embedded style sheets with the help of suitable examples.   8

    (b) Write HTML code to show how one vertical frame window and second vertical window is further split horizontally using nested frameset ?   7

Unit III

5. Distinguish the roles of the following in CGI using PERL :
    (a) Architectural guidelines   5
    (b) Coding guidelines   5
    (c) Efficiency and optimization.   5

6. Give your verdict of using content negotiation and proxies in developing an efficient and optimized web based application. 15

P.T.O.

Unit IV

7. (a) Write a program to inegrate JavaScript in Java Server Pages by using logical operator and conditional operator. **10**

   (b) Discuss term Entity in Xml. Also explain different types of Entities. **5**

Design any web application by writing its script code using creating and reading cookies and application objects and events in Java Server Pages. **15**