Roll No. ....

Total Pages : 2

BT-7/D-17   **37002**

WEB ENGINEERING

Paper : 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. Answer the following questions in brief :

    (a) Why is information architecture necessary?

    (b) What are the elements of Information architecture?

    (c) What are the challenges of organizing information? (15)

2. (a) Give a brief overview of Indexing and Conceptual design in the context of searching web sites. (7½)

    (b) What is the use of blueprints in information architecture? What should a blueprint describe? (7½)

UNIT–II

3. (a) What is needed to publish a web site? (6)

    (b) In the context of HTML, what is the purpose of Anchor tag? What steps are to be performed for inserting graphics in a web site? How do images serve as Hyperlinks? (9)

4. Give a brief description of the following in the context of HTML :

    (a) Frames.

    (b) Button.

    (c) Forms.

    (d) Tables. (15)

UNIT–III

5. What is the role of the following in Web development :

    (a) CGI.

    (b) Hypertext Transfer Protocol.

    (c) URL. (15)

6. (a) Give the names and description of environment variables that a CGI program will have access to. (7½)

    (b) Describes how to create and process simple web input forms in the context of CGI. (7½)

UNIT–IV

7. Enumerate the benefits of Java Server Pages (JSP). What are the elements of JSP ? Describe the working of JSP. 15

8. What is the importance of XML? How is XML compatible with other Web technologies like HTML and SGML? How does it behave with CSS and XSL? 15

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