

MCA/D08  
Web Engineering  
MCA -503

Time : 3 Hours

MM:50

Note:- Attempt Five questions in all, selecting one question from each unit. All questions carry equal marks.

UNIT-I

- 1 What are the various challenges to the information architecture? Suppose you are on the role of information architecture, while designing an online web-site, list out your services in the order, at each level.
- 2 Explain the following with suitable examples:
  - (a) Elegant Navigation system
  - (b) Page Mockups
  - (c) Conceptual design
  - (d) Design Sketches
- 3(a) Explain the various types of navigation systems. Discuss their importance in designing GUL.
- (b) Discuss the steps to create cohesive organization system.

UNIT-II

- 4 Create your own web-site containing three pages and the first page contains various textfield, ListBox, ComboBox and CheckBox (first page is also divided in 2x3 frames) for entering particular information of student data. When you press the "Click" button all information should be stored in Database (MS-Assess)? Also add features so that google can search your website.
- 5 Explain the following:
  - (a) Block level event
  - (b) Meta -Tag
  - (c) Layouts
  - (d) Forms
  - (e) Video and audio support to web-page
- 6 Write CGI-code to generate request and receive response. Discuss its request, response and environment variables.

UNIT-III

- 7(a) Discuss the importance of cookies and how they are used in JSP.
- (b) Write JSP code to display your text information in text-area and control it with the help of Mouse.

- 8 Write various ways to use XML for data file. How we can convert XML into HTML document and vice-versa?
- 9 What are cascading style sheets? What are their importance in HTML? Write CSS code for altering formats of a regular text. Show your output also.
- 10 Write short notes on following:
  - (i) Integrated navigation elements
  - (ii) Proxy server
  - (iii) META information
  - (iv) Kava Beans
  - (v) XSL