

MCA/D07
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.

- 1 Explain the need and role of Information Architecture. What are the various challenges in organizing information?
- 2(a) Explain the mechanism of searching system. How you can design search interface?
(b) Explain various types of navigation systems.
- 3 Explain with example the following:
 - (a) Indexing right stuff
 - (b) Grouping content
 - (c) Conceptual design

UNIT-II

- 4(a) Explain various core attributes for HTML, Language and Event
(b) Explain the concept of linking and addressing in web with proper examples.
- 5(a) What are image preliminaries? Discuss the properties of a various images.
(b) Divide your page canvas to four equal squares, insert pictures in every frame and link every picture to work as button.
- 6(a) What are coding guidelines for writing CGI code?
(b) Discuss the efficiency and optimization techniques for CGI.

UNIT-III

- 7(a) Explain the request and response cycle for HTTP in detail.
(b) Write and explain various standards for XML applications.
- 8(a) Explain various CSS and HTML elements with suitable code.
(b) Write the process of converting XML to HTML and vice-versa.
- 9(a) Explain various steps for displaying XML documents using CSS and XSL with suitable examples.
(b) Explain JSP scripting elements and directives.
- 9 Differentiate the following with examples:
 - (a) Collaboration and Communication

- (b) Absolute and Relative URLs
- (c) Forms and Frames