Roll No. ....

Web Engineering
Paper: MCA-503
Time: Three Hours]   Maximum Marks: 50

Note:- Attempt any **FIVE** questions, selecting at least **ONE** question from each unit.

UNIT-I

1.   Explain the need and role of Information Architecture. What are the various ways to organize huge information?

2.   (a) Explain the mechanism of searching system. How you can design search interface?

      (b) Explain various types of navigation systems.

3.   Explain the following with examples.

      (a) Page Mockups

      (b) Grouping Content

      (c) Design sketches.

UNIT-II

4.   (a) Explain the role of web browser. Discuss various types of web browser.

      (b) How JSP is helpful in web -designing? Explain with example.

5.   (a) What is CSS ? How it is helpful in web page designing? Write CSS code for formatting your own text.

      (b) What are cookies? In what respect they are beneficial?

6.   Differentiate forms, frames and tables. Design a web-page containing your own information (i.e., text, picture and hyperlinks) using forms, frames and tables individually.

7.   (a) Explain the process. of CGI. Discuss how it generates request and response variables.

      (b) What are HTML core attributes?

UNIT-III

8.   (a) Discuss the process of retrieving the contents from an HTML forms.

      (b) Explain JSP scripting elements and directives.

9.   Write various ways to use XML for data file. How we can convert XML into HTML document and vice-versa?

10.   Write short notes on the following:-

      (a) Integrated navigation elements

      (b) Proxy server

            (i)   META Tag

            (ii)   SGML

            (iii)   XSL.