Roll No. ..... Total Pages : 03

MCA/M-19 10505

WEB TECHNOLOGIES

MCA-14-25

Time : Three Hours] [Maximum Marks : 80

Note : Q. No. **1** is compulsory. Attempt *Four* more questions, selecting at least *one* question from each Unit.

1. (a) Describe any *two* characteristics of web applications.

(b) Describe the core syntax of CSS.

(c) Define ip-based virtual hosting.

(d) State *two* main differences between session and cookies.

(e) Describe the XML namespace.

(f) What is DTD ? How is it created ?

(g) What is the role of xml in website designing ?

(h) What is use of XLINK ? **8×2=16**

Unit I

2. (a) What is URL ? Discuss its various elements. **6**

(b) What is web server ? Explain its features. How web server is different from secure server ? **10**

3. (a) Write short notes on the following :

Header fields, status line, blank line and status code. 8

(b) Describe the different categories of web applications. 8

Unit II

4. (a) How to design a form in html ? Explain with example. 8

(b) How to link a html page to another page ? 4

(c) What are the different style properties used for positioning an elements ? 4

5. (a) How would you give headers to the table columns in HTML ? Also explain how to add a border to the table. 8

(b) Design an HTMl page that contains three frames. Also state the use of 'noresize' attribute. 8

Unit III

6. (a) What are literals ? How can it be used in JavaScript ? 8

(b) Differentiate server side programming and client side programming. 8

7. (a) Explain array handling in JavaScript. Write a program to add two arrays using multidimensional array. **10**

(b) Explain JavaScript function with suitable example. **6**

Unit IV

8. (a) Explain the different attributes used in XML. **6**

(b) What is prolog section and DTD in XML ? Explain the structure of XML with example. **10**

9. Write short notes on the following : **16**

(i) XPATH (ii) XSL

(iii) SGML (iv) Well formed XML.