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.