

Roll No.

Total Pages : 3

MCA/M-20

10533

WEB TECHNOLOGIES

Paper–MCA–14-25

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. Explain following in brief : 8×2=16
- (a) State two differences between Web applications and conventional software.
 - (b) Describe any two characteristics of HTML.
 - (c) Write down the two main functions of Web browser.
 - (d) What is the function of debugger in javascript ?
 - (e) Explain types of CSS.
 - (f) What is XHTML ?
 - (g) Define URL rewriting.
 - (h) Define transformation in XML.

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UNIT-I

2. (a) Explain request and response message of HTTP. 10
- (b) Describe ip-based and name based virtual hosting with examples. 6
3. What is the difference between Internet and Intranet ? Explain the various Internet protocols. 16

UNIT-II

4. (a) Explain the following with example :
- (i) Frameset. 10
- (ii) CSS box model. 6
- (b) Explain normal flow box layout in html with example. 6
5. (a) Explain the concept of cascading and inheritance. 8
- (b) Differentiate static and dynamic HTML. 8

UNIT-III

6. (a) Explain the different looping constructs in javascript. 8
- (b) What are the different ways of creating objects in javascript ? 8

7. (a) State the use of “getElementById()” with suitable example. 8
- (b) Explain the servlet architecture and servlet life cycle. 8

UNIT-IV

8. (a) Describe the relation between XML, HTML and SGML. 8
- (b) How to integrate XML with other applications ? 8
9. What is DTD ? Describe its structure. How to display XML documents in browser ? Explain. 16

