

Roll No.....

10211

MCA/M-14
WEB ENGINEERING
Paper—MCA-401

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

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|---|---|
| 1. (a) How can the Web sites be enhanced? | 3 |
| (b) Differentiate between good and bad Web design. | 3 |
| (c) How is database integrated with HTML? | 3 |
| (d) Discuss the in -line style with a suitable example. | 3 |
| (e) Why is PERL used for CGI programming? | 3 |
| (f) How do Active Server Pages work? | 3 |
| (g) Discuss the future of XML. | 3 |
| (h) What are Cookies? | 3 |

UNIT—I

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|---|---|
| 2. (a) Describe the role of information architect in a Web -site design. What are the various challenges to an organisation in organizing the information and Web -sites? | 7 |
| (b) Describe the various types of Navigation systems in brief. | 7 |
| 3. (a) What do you understand by Searching on the Web? How a web -site must be designed so that search -engines are able to search your web -site? | 7 |
| (b) Discuss the principles of Web designing. | 7 |

UNIT—II

4. (a) What is Hyperlink in HTML? How can you link to a specific section and another web page? Explain with suitable example. 7
- (b) How can you insert image in a Web -page in HTML? 7
5. How would you create a table in HTML? Describe the process of (1) dividing the table into columns, (2) giving header to the table columns, (3) adding a border to a table, (4) changing the color of a cell. 14
6. Write short notes on the following :
- (a) URL
- (b) Firewalls
- (c) Server Responses. 14
7. (a) How does Server -side programming differ from client -side programming? 5
- (b) What are environment variables? Discuss CGI environment variables. 5
- (c) Show, how the performance of the HTTP protocol is improved. 4

UNIT—IV

8. Explain the following w.r.t. XML:
- (a) Rewriting HTML as XML
- (b) Converting XML to HTML for DISPLAY.
- (c) Embedding XML into HTML
- (d) Displaying XML using CSS. 14
9. Discuss the relationship of XML with HTML and SGML using suitable examples. 14