

Roll No.

Total Pages : 3

MCA/M-14

10211

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

- 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

- 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

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- (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

UNIT-III

- 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

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http://www.kuonline.in

http://www.kuonline.in

http://www.kuonline.in

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- (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