

MCA/M-16
WEN TECHNOLOGY
PAPER: MCA-14-25

Time Allowed: 3 Hours

Maximum Marks: 80

Note: Attempt five questions in all. Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) Differentiate between the Internet and WWW.
- (b) List and explain any four HTML elements in details.
- (c) Write a Java script to find and print the largest and smallest value among 10 elements of an array.
- (d) List and explain the XML syntax rule in details.

UNIT-I

2. (a) What is web browser? How is web browser different from the web services? Explain it.
- (b) Why is HTTP known as a stateless protocol ? Write advantages and disadvantages of the stateless protocol.
3. (a) Suppose a resource that was requested by the client is not found by the server. Write a sample response message for it.
- (b) Explain the following :
 - (i) Categories of Web Applications.
 - (ii) Secure Servers.

UNIT-II

4. (a) Discuss the various features of CSS with an example.
- (b) Explain the purpose and way of creating lists in HTML documents.
5. (a) Design a HTML form for validation the user with fields user name, password and ok button which should receive the input from the user and responses as authorized or invalid username or invalid password.

- (b) Explain any eight CSS text properties.

UNIT-III

- 6. (a) Explain how the functions can be written in Java script with an example.
(b) What is servlet? How it differs from applet? Explain the life cycle of a servlet.
- 7. (a) Describe the data types and objects used in Java Script with an example.
(b) What is advantages of cookies over URL rewriting?

UNIT-IV

- 8. (a) Why should namespaces be used in XML? Explain with an example.
(b) How a XML document can be displayed on a browser? Explain it.
- 9. (a) Show with an example how to use a DTP in a XML document internally.
(b) Explain the XPATH in detail.