

Roll No. ....

Total Pages : 2

CMCA/M-22

24518

**WEB TECHNOLOGIES**

Paper-MCA-20-21

Time Allowed : 3 Hours]

[Maximum Marks : 75

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

**Compulsory Question**

1. (a) What is the difference between static and dynamic web pages? Discuss.
- (b) Differentiate between == and === operators in JavaScript using suitable examples.
- (c) PHP is a loosely typed language? Comment.
- (d) What is AJAX? What is the advantage of using it? Discuss.

**UNIT-I**

2. (a) What is a web browser? Discuss its characteristic features.
- (b) What are the different attributes of <form> tag?
3. (a) What are the different types of CSS selectors? Explain.
- (b) Discuss the syntax and semantics of following HTML tags : (i) <a>, (ii) <u>, (iii) <br>, (iv) <title>.

## UNIT-II

4. (a) What do you understand by client side data validation? Write the JavaScript code to validate the employee's age. Make the necessary assumptions.
- (b) Discuss the different looping constructs available in JavaScript.
5. (a) What do you understand by Document object model? Write the function in JavaScript invoked by onclick event to change the contents of a paragraph of a web page.
- (b) What do you understand by short circuit evaluation of logical operators in JavaScript? Discuss.

## UNIT-III

6. (a) How is data inserted in MySQL table using prepared statement of PHP? Illustrate.
- (b) How is an array created in PHP? Discuss the array operators in PHP.
7. (a) Differentiate between indexed array and associative array in PHP using example.
- (b) How is the HTML form data handled in PHP? Explain.

## UNIT-IV

8. Write short notes on the following :
- (a) XML HttpRequest Object Properties.
- (b) Ajax Security.
9. (a) How is request sent to a server using XMLHttpRequest object? Discuss.
- (b) How is AJAX used to create more interactive web pages? Illustrate.