

Roll No.....

Total Pages: 3
10448

MCA/D-17
ADVANCED WEB TECHNOLOGY
Paper: MCA-14-52

Time: Three Hours

Maximum Marks: 80

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. Write short notes on the following :
 - (a) CSS Expressions.
 - (b) Buffering and Weblog.
 - (c) Associative arrays in PHP.
 - (d) Optimizing SQL queries at server side.

UNIT-1

2.
 - (a) How DNS servers are useful in web services? Explain using suitable examples.
 - (b) What are the different parameters considered for Search Engines Optimization ? Discuss.
3. How the search engine optimization process is affected by the following :
 - (e) Keyword density.
 - (f) Navigation styles of web sites.
 - (g) Broken links

UNIT-II

4.
 - (a) What do you understand by regular expression? Discuss the features available in PHP for handling strings and regular expression. Using suitable example.
 - (b) What is Exception handling? How the exceptions are handled in PHP? Explain using suitable examples.
5. How session is a useful concept in e-commerce website? Explain how session management is achieved in PHP.

UNIT-III

6. (a) What is Event handling in Java Script? Explain any four events associated with different HTML controls.

(b) Explain web design frameworks using MVC and design patterns.
7. How form handling is achieved using Java Script? Design three web pages (Signin, SignUp & Home) using HTML and CSS and apply JavaScript for client side validations.

UNIT-IV

8. Explain the following:
 - (a) Load balancer.
 - (b) Query caching.
 - (c) Query log.
9. What are the common vulnerabilities in the web sites? How are these exploited by attackers? Explain any one suitable example.