

Roll No.

**MCA-II (Master of Computer Applications)
Sixth Semester Examination-2015**

MCA-21

Advance Web Technology

Time : 3 Hours

Maximum Marks : 60

Note : This paper is of sixty (60) marks divided into three (03) sections A, B, and C. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section - A

(Long Answer Type Questions)

Note : Section 'A' contains four (04) long-answer-type questions of fifteen (15) marks each. Learners are required to answer any two (02) questions only. (2×15=30)

1. (a) Explain the components of DOM in detail.
(b) What is JavaScript and where is it used ?
2. Answer the following :
 - (a) Which communication protocol is most commonly used on the Internet?
 - (b) How many bits is an IP Address for IPv4 Addresses?
 - (c) What is IP Address subnetting?

3. Explain in detail CSS border and CSS outline.
4. Answer the following:
 - (a) Which command is used to create a database in MySQL?
 - (b) Which MySQL command is used to insert values in tables?
 - (c) Which command is used to list the table contents in MySQL?
 - (d) Which Apache module is required for PHP scripts to connect to MySQL?
 - (e) How can the methods of a class be used in PHP?

Section - B

(Short Answer Type Questions)

Note : Section 'B' contains eight (08) short-answer-type questions of five (05) marks each. Learners are required to answer any four (04) questions only. (4×5=20)

1. What is the difference between the Internet and the Web?
2. Compare Client side vs. server side scripting.
3. What is the purpose of DNS?
4. Which are the HTTP methods used while sending form data?
5.
 - (a) What is CSS and where is it used?
 - (b) Which file extension is used to store CSS rules?
 - (c) What is a CSS ruleset?
6.
 - (a) What does the JavaScript document.write() method do?
 - (b) What is the JavaScript logical operator "!" used for?

7. (a) In the heredoc syntax, the identifier must follow the same naming rules as a label. What are these?
(b) How can integers be specified in octal notation?
8. How do we test if the apache **mod_rewrite module** is available and working?

Section - C

(Objective Type Questions)

Note : Section 'C' contains ten (10) objective-type questions of one (01) mark each. All the questions of this section are compulsory. (10×1=10)

1. PHP is
 - (a) a web page
 - (b) a scripting language
 - (c) a css file
 - (d) a markup language
2. Which of the following is an expansion of the abbreviation WWW?
 - (a) World Wide Wireless
 - (b) World Wide Web
 - (c) Web World Wireless
 - (d) Wireless World Web
3. MVC is
 - (a) a web page
 - (b) a scripting language
 - (c) a framework
 - (d) a markup language
4. XML is
 - (a) a web page
 - (b) a scripting language
 - (c) a css file
 - (d) a markup language
5. Which of the following periods saw the so called dot-com boom?
 - (a) 1969-1971
 - (b) 1980-1990
 - (c) 1991 -1996
 - (d) 1996-2001

6. Which of the following statements best describes Hyperlink and Hypertext?
- (a) Hyperlink is reference to data and Hypertext is text with Hyperlinks.
 - (b) Hypertext is reference to data and Hyperlink is text with Hypertexts.
 - (c) Hyperlink is reference to Hypertext and Hypertext is text with Hyperlinks.
 - (d) Hypertext is reference to Hyperlink and Hyperlink is text with Hypertexts.
7. Which of the following HTML elements have empty content?
- (a) `empty`
 - (b) `<p>empty</p>`
 - (c) `<u>empty</u>`
 - (d) `
`
8. HTML markup is used to describe
- (a) Web Pages
 - (b) Web Addresses
 - (c) Web Resources
 - (d) Web Links
9. Which of the following file extension(s) is(are) used for a JavaScript file?
- (a) .html
 - (b) .css
 - (c) .java
 - (d) .js
10. Which of the following is a correct syntax for enclosing comments in CSS?
- (a) `<! this is a CSS comment -->`
 - (b) `/* this is a CSS comment */`
 - (c) `/* this is a CSS comment -->`
 - (d) `<!-- this is a CSS comment */`