

**MASTER OF COMPUTER APPLICATION
THIRD SEMESTER
ADVANCED WEB TECHNOLOGY
MCA-302**

**SET
A**

[USE OMR FOR OBJECTIVE PART]

Duration: 1.30 hrs.

Full Marks: 35

Time: 15 min.

(**Objective**)

Marks: 10

1X10=10

Choose the correct answer from the following:

1. DHTML stands for:

- | | |
|---------------------------------------|--------------------------------------|
| a. Dynamic Hyper Text Markup Language | b. Dual Hyper Text Markup Language |
| c. Document Hyperlink Markup Language | d. Dynamic Host Text Markup Language |

2. Which of the following is a correct HTML tag for inserting a line break?

- | | |
|---------|--------------|
| a.
 | b. <break> |
| c. <lb> | d. <newline> |

3. In PHP, which symbol is used to declare variables?

- | | |
|------|-------|
| a. % | b. \$ |
| c. & | d. # |

4. Which of the following magic methods in PHP is invoked automatically when a property that does not exist is accessed?

- | | |
|-------------|--------------|
| a. __set() | b. __get() |
| c. __call() | d. __isset() |

5. In PHP, which access specifier allows a class member to be accessible only within the same class?

- | | |
|--------------|------------|
| a. public | b. Private |
| c. protected | d. Final |

6. Which of the following correctly demonstrates polymorphism in PHP?

- | | |
|--|--|
| a. Using two different variables with same name in same scope. | b. Using same method name in different classes performing different tasks. |
| c. Using same object in multiple classes. | d. Having multiple constructors in one class. |

7. If you submit a form using the POST method, which of the following statements retrieves a value from the field named username?

- | | |
|-----------------------|--------------------------|
| a. \$_GET['username'] | b. \$_POST['username'] |
| c. \$_REQUEST['POST'] | d. \$_SERVER['username'] |

8. Which of the following is a feature of Object-Oriented Programming in PHP?
- a. Arrays
 - b. Variables
 - c. Classes and Objects
 - d. Echo statements
9. Which function is automatically called when an object is created in PHP?
- a. Destructor
 - b. Setter
 - c. Getter
 - d. Constructor
10. Which of the following defines a user-defined function in PHP?
- a. `function myFunction() { ... }`
 - b. `define myFunction() { ... }`
 - c. `declare myFunction() { ... }`
 - d. `create myFunction() { ... }`

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(Descriptive)

Time : 1 hrs. 15 min.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

1. Explain the Client-Server Model in web technology. Draw a neat diagram showing the interaction between client and server. 5
2. What is CSS? Explain its importance in web development. Describe the three ways to apply CSS to HTML documents. Give code examples for each. 2+2+3+3=10
3. Discuss the role of Constructors and Destructors in Object-Oriented PHP. Explain their syntax, usage, and typical use-cases with code. 5+5= 10
4. Describe the Object-Oriented features supported by PHP. Explain the use of classes, objects, inheritance, and encapsulation. Write a suitable program to demonstrate the use of classes and objects in PHP. 2+4+4=10
5. Write short notes on the following (any two): 5+5 =10
 - a) Difference between Internal CSS and External CSS.
 - b) Role of Web Server in Client-Server Architecture.
 - c) Difference between static web pages and Dynamic Web pages.

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