

3001E1058 - 3

Candidate's Seat No : _____

**M.C.A. Semester-I Examination
(2) Web Application Development
January-2023**

Time : 3-00 Hours]

[Max. Marks : 50

Instructions:

- Write both the Sections in the separate answer book.
- Both Sections having equal weightage.
- Draw Diagrams wherever necessary.
- Make Assumptions wherever necessary.

SECTION – I

Q-1

Attempt the following (any two)

08

1. What do you mean by Identifiers for PHP? Write the rules for identifiers.
2. Explain the meaning of following for Object-Oriented concepts in PHP:
I. class II. object III. Data Abstraction IV. polymorphism
3. Explain with example following functions for array with appropriate example:
i. sort ii. count iii. ksort iv. arsort

Q-2

Attempt the following (any six)

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1. Write only name of any four PHP data type.
2. Write only name of any four super global variable.
3. What is a jagged array? Write one example of jagged array.
4. Write only name of the following symbol
I. `=>` II. `->`
5. What do you mean by instantiation? What is stored by a special variable `$this` within a class?
6. Write the two main differences between class constants and static properties/methods.
7. Differentiate `==` (`= =`) and `===` (`= = =`) PHP operator with appropriate example.
8. What is difference between `require()` and `include()`? What is difference between `require()` and `require_once()`?

Q-3 Do as directed

5

1. Explain with example: type casting

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2. What will be output of the following code:

```
<?php
$a = 5;
$b = $a;
$a = 7;
echo $b;
?>
```
3. What will be the output for the following code ?

```
<?php
    $father = "mother";
    $mother = "son";
    echo $$father ;
?>
```
4. State : True or False
 Constant scoped is always global in PHP script.
5. Which symbol is used to pass argument as a reference in a function?

SECTION – II

Q-4 Do as directed (any five)

10

1. What is the difference between Enum and Set data type of MySQL?
2. What do you mean by Unix Epoch? What is Y2K38 problem?
3. What are two types of Regular Expression? Explain preg_match function with appropriate example.
4. Write only name of various type of extension for working with MySQL API?
5. Explain the meaning of following pattern for regular expression
 I. . II. \d
6. Explain any operator with its syntax for subquery.
7. For uploading a file, HTML form , method attribute value must be _____ and enctype attribute value must be _____

Q-5 Attempt the following (any three)

15

1. What do you mean by state for web application? What is cookie? What are the typical uses of cookies?
2. List and explain any five File Modes with their name and use.
3. What do you mean by relationship between table? List and explain various types of relationship between tables.
4. Explain the Web Database Architecture with diagram and stages.
5. List and explain any five built-in methods of Exception class.