Faculty of Science / Engineering
End Semester Examination May 2025
CA3SE06 PHP Programming

Programme	:	BCA / BCA-MCA (Integrated)	Branch/Specialisation	:	-
Duration	:	3 hours	Maximum Marks	:	60

Note: *All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.*

Section 1 (Answer all question(s))   **Marks CO BL**

Q1. Which of the following is not a fundamental data type in PHP?   1   1   1

Rubric	Marks
D) Character	1

- ○ String
- ○ Float
- ○ Boolean
- ● Character

Q2. Which of the following variables is not a predefined variable?   1   1   1

Rubric	Marks
B) $_SSN	1

- ○ $_GET
- ○ $_REQUEST
- ● $_SSN
- ○ $_SERVER

Q3. What will be the output of the following PHP script?   1   3   5

```php
<?php
$arr = array(10, 20, 30);
foreach ($arr as &$value) {
 $value += 5;
}
print_r($arr);
?>
```

Rubric	Marks
B) Array ([0] => 15, [1] => 25, [2] => 35)	1

- ○ Array ([0] => 10, [1] => 20, [2] => 30)
- ○ Array ([0] => 10, [1] => 20, [2] => 30, [3] => 5)
- ● Array ([0] => 15, [1] => 25, [2] => 35)
- ○ Error

Q4. Which in-built function will add a value to the end of an array?   1   2   2

Rubric	Marks
D) array_push()	1

- ○ array_unshift()
- ○ inend_array()
- ○ into_array()
- ● array_push()

Q5. What will be the output of the following PHP script?   1   2   4

```php
<?php
for ($i = 0; $i < 5; $i++) {
  if ($i == 3) break;
  echo $i . " ";
}
?>
```

Rubric	Marks
B) 0 1 2	1

- ○ 0 1 2 4
- ◉ 0 1 2
- ○ 0 1 2 3
- ○ Error

Q6. Trim() in PHP is used for-   1   2   2

Rubric	Marks
B) Removes Whitespaces	1

- ○ Removes uppercase alphabet
- ◉ Removes Whitespaces
- ○ Removes lowercase alphabet
- ○ Removes Underscore

Q7. A function in PHP which starts with __(double underscore) is known as-   1   1   1

Rubric	Marks
C) Magic Function	1

- ○ Inbuilt Function
- ○ Default Function
- ◉ Magic Function
- ○ User Defined Function

Q8. Which one of the following is the right way to clone an object?   1   3   3

Rubric	Marks
B) destinationObject = clone targetObject;	1

- ○ _clone(targetObject);
- ◉ destinationObject = clone targetObject;
- ○ destinationObject = _clone (targetObject);
- ○ destinationObject = __clone targetObject;

Q9. The updated MySQL extension released with PHP5 is typically referred to as-   1   2   2

Rubric	Marks
D) mysqli	1

- ○ mysql
- ○ MySQL
- ○ mysqly
- ◉ mysqli

Q10. Which feature allows us to call more than one method or function of the class in single instruction?   1   1   2

Rubric	Marks
D) Method chaining	1

- ○ Typecasting
- ○ Method Including
- ○ Method adding
- ◉ Method chaining

Section 2 (Answer all question(s))   Marks CO BL

Q11. Explain the salient features of PHP.   3   1   2

Rubric	Marks
Enlist at least 6 features (0.5 Marks for each)	3

Q12. (a) Enlist data types available in PHP. Write a program to demonstrate various data types available in PHP.   7   1   3

Rubric	Marks
List of data types (2) Program for data types (5)	7

(OR)

(b) Differentiate between local and global variables in PHP with examples.

Rubric	Marks
Difference between local and global variables. (3) Examples one of each. (4)	7

Section 3 (Answer all question(s))   Marks CO BL

Q13. Explain 'break' and 'continue' keyword with the help of examples.   4   1   1

Rubric	Marks
break with example. (2) continue with example (2)	4

Q14. (a) Implement a PHP script using a switch case that takes a user's grade (A, B, C, D, or F) and prints the corresponding remark (Excellent, Good, Average, Poor, Fail).   6   2   3

Rubric	Marks
Input user grade. (2) Usage of switch case (4)	6

(OR)

(b) What is an Array? Write a PHP script to calculate sum and average of 10 integer numbers stored in an array.

Rubric	Marks
About array. (1) Program to find sum and average (5)	6

Section 4 (Answer any 2 question(s))   Marks CO BL

Q15. Create a PHP function with a default argument that calculates the power of a number (A to the power B, i.e. A^B). If no exponent is provided, it should assume 2 (i.e., square the number).   5   3   3

Rubric	Marks
Default Argument function declaration for (A to the power B, i.e. A^B). (4) Calling function with arguments (1)	5

Q16. Write a PHP script that accepts a string as input and returns the number of vowels and consonants present in it.   5   3   3

Rubric	Marks
array declaration and program (5)	5

Q17. Explain any five string functions with example.   5   3   2

Rubric	Marks
1 mark for each string function with example	5

Section 5 (Answer all question(s))

Q18. Differentiate between GET and POST Form methods.   4   3   2

Rubric	Marks
At least 4 differences 1 for each	4

Q19. (a) What is the purpose of using header ("Location: URL") in PHP? Explain with an example of   6   3   2
redirecting a user after form submission.

Rubric	Marks
Purpose of header. (2) Example of redirection (4)	6

(OR)

(b) What is the significance of constructors in PHP classes? Provide an example of a constructor
function.

Rubric	Marks
significance of constructors in PHP classes. (3) example of a constructor function. (3)	6

Section 6 (Answer any 2 question(s))

Q20. Demonstrate how do you connect MySQL database with PHP.   5   3   3

Rubric	Marks
Connection String. (3) Connection checking (2)	5

Q21. Explain methods to handle errors in PHP while connecting to database.   5   3   4

Rubric	Marks
At least 5 methods 1 for each	5

Q22. What are the different MySQL commands that can be executed using PHP? Explain any three with   5   3   2
syntax and examples.

Rubric	Marks
Different commands. (2) Explain any 3 (3 Marks)	5

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