

2024

Time : 3 hours

Full Marks : 70

*Candidates are required to give their answers
in their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer all sections as directed.

Section-A

Objective type Questions

Compulsory

1. Choose the correct answer of the following multiple choice questions : $2 \times 10 = 20$

(a) What will be the output ?

```
<?php
$arr = array("a", "b", array("c", "d",
array("e", "f")));
?>
```

(d)

(i) 8

~~(ii) 6~~

(iii) 7

(iv) Error

(b) Which of the following is the correct way to declare a constant in PHP?

(e)

(i) `CONST NAME = "value";`

(ii) `define ("NAME", "value");`

(iii) `$name = "value";`

~~(iv) Both (i) and (ii)~~

(c) Which of the following is the correct way to add a comment in PHP?

(i) #

(ii) //

- (iii) `/**/`
 - ~~(iv)~~ All of these
- (d) Which of the following is NOT a valid PHP data type?
- (i) Integer
 - (ii) String
 - (iii) Boolean
 - ~~(iv)~~ Character

- (e) What will be the output of the following code?

```
<?php
```

```
$a = 5;
```

```
$b = 10;
```

```
$c = $a + $b . "PHP";
```

```
echo $c;
```

```
?>
```

(i) 15 PHP

~~(ii)~~ 15PHP

(iii) 510PHP

(iv) Error

(f) Which operator is used to compare both value and data type in PHP?

(i) ==

(ii) !=

(iii) ===

(iv) <=

(g) PHP is a _____ scripting language.

(i) Client-side

(ii) Server-side

(iii) Both

(iv) None of the above

(h) Who is the father of PHP?

(i) Derk Koelman

(ii) Rasmus Lerdorf

(iii) William Makepeace

(iv) List Barely

(i) Which of the following is the correct way to declare a variable in PHP?

(i) var \$name;

~~(ii) \$name;~~

~~(iii) \$name = "John";~~

(iv) String \$name = "John";

(j) What will be the output of this code?

```
<?php
```

```
$a = "Hello";
```

```
$a[1] = "a";
```

```
echo $a;
```

```
?>
```

~~(i) Hallo~~

~~(ii) Hello~~

(iii) Error

(iv) Halla

Section-B

Short Answer type Questions

Answer any **four** questions of the following :

5×4=20

2. Discuss the various looping statements used in PHP with suitable example.
3. List and explain different types of operators in PHP.
4. Explain PHP regular expression.
5. What is the difference between GET and POST methods?
6. Write a PHP script that checks whether a passed string is palindrome or not.
7. Explain any four library functions used in PHP.
8. How do you define a function in PHP? What is the difference between formal and actual arguments?

Section-C

Long Answer type Questions

Answer any **two** questions of the following :

15×2=30

9. Explain the following:
 - (a) Echo vs Print
 - (b) Ternary Operator
 - (c) Break and continue
 - (d) Session and cookies
10. Explain the difference between each() and foreach() when looping through arrays.
11. Write a program to calculate the factorial of a number.
12. What are the use of preg_match(), preg_replace(), preg_split() functions in regular expression?
13. Write a PHP program to print Fibonacci series using recursion.

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