

PHP UT - 1 ans.

02 Marks Questions

1. List advantages of PHP.

Open Source
Platform independent
Simple and Easy
Database support
Security
Scripting Language
Vast Community(Any four advantages, $\frac{1}{2}$ mark each)

2. State different data types in PHP.

Integer
Float
String
Boolean
Array
Object
Resource
Null(Any two data types, 1 mark each)

3. Explain array_flip() and explode() function with syntax.

array_flip(): Flips keys and values of an array.Syntax: array_flip(array);
explode(): Splits a string into an array.Syntax: array explode(separator, OriginalString, NoOfElements);

4. What is an array? How to store data in an array?

An array in PHP is a data structure that stores multiple values in one variable.

Syntax: \$array = array(value1, value2, value3);

5. Write syntax of PHP.

```
<?phpecho "Hello World";?>
```

6. Write syntax of for each loop.

```
foreach ($array as $value) { echo $value;}
```

04 Marks Questions

1. List any four string functions with use.

str_word_count(): Counts the number of words in a string.

strlen(): Returns the length of a string.

strrev(): Reverses a string.

strpos(): Finds the position of the first occurrence of a substring.

2. Explain use of for and for each with an example.

for loop: Used when the number of iterations is known.

```
for($i = 1; $i <= 10; $i++) { echo $i . "<br>";}
```

foreach loop: Used for iterating over arrays.

```
$arr = array(1, 2, 3);foreach ($arr as $value) { echo $value . "<br>";}
```

3. Explain bitwise operators in PHP.

&: AND
|: OR
^: XOR
~: NOT
<<: Left shift
>>: Right shift

4. Write a PHP program to draw a rectangle filled with red color.

```
<?php$img = imagecreatetruecolor(500, 300);$color =  
imagecolorallocate($img, 255, 0,0);  
imagefilledrectangle($img, 30, 30, 470, 270, $color);  
header("Content-type: image/png");  
imagepng($img);  
imagedestroy($img);?>
```

5. Explain how to implement a multidimensional array in PHP.

```
$person = array(  array("name" => "Yogita", "mob" => "5689741523"),  
    array("name" => "Manisha", "mob" => "2584369721"));  
echo $person[1]["mob"];
```

6. Explain print and echo statements in PHP.

echo: Can print multiple values.

print: Returns 1, cannot print multiple values.

```
echo "Hello", "World";  
print "Hello World";
```

7. Write down rules for declaring a PHP variable.

Must start with \$.

Cannot start with a number.

Can contain letters, numbers, and underscores.

Case-sensitive.

8. Write a program to create an associative array in PHP.

```
$arr = array("name" => "John", "age" => 25);  
echo $arr["name"];  
// Output: John
```

9. Define function. How to define a user-defined function in PHP? Give an example.

```
function greet($name)  
{  
    return "Hello, " . $name;  
}  
echo greet("John");
```

10. Write PHP script to sort any five numbers using an array function.

```
$arr = array(5, 3, 8, 1, 4);  
sort($arr);  
print_r($arr);
```

11. Explain the use of break and continue statements.

break: Exits the loop.

continue: Skips the current iteration.

```
for ($i = 1; $i <= 5; $i++)  
{    if ($i == 3) continue;  
    echo $i . " ";}
```

06 Marks Questions

1. Display the given text "this is server-side coding using PHP" in PDF format

using PHP.

```
require('fpdf.php');
$pdf = new FPDF();
$pdf→AddPage();
$pdf→SetFont('Arial', 'B', 16);
$pdf→Cell(40, 10, 'this is server-side coding using PHP');
$pdf→Output();
```

2. Explain different loops in PHP with an example.
for, foreach, while, do-while

3. Explain the following function types with examples:

Anonymous function:

```
$var = function($name) { return "Hello $name";};echo $var("John");
```

Variable function:

```
function sayHello()
{
    echo "Hello";
}
$func = "sayHello";
$func();
```

4. Write a PHP program to display numbers from 1-10 in a sequence using for loop.

```
for ($i = 1; $i <= 10; $i++)
{
    echo $i . " ";
```