



Maratha Vidya Prasarak Samaj's

**Rajarshi Shahu Maharaj Polytechnic, Nashik**

Udoji Maratha Boarding Campus, Near Pumping Station, Gangapur Road, Nashik-13.

Affiliated to MSBTE Mumbai, Approved by AICTE New Delhi, DTE Mumbai & Govt. of Maharashtra, Mumbai.

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*Subject: - Web Based Application  
Development with PHP  
(22519)*



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# SYLLABUS

Chapter No.	Name of chapter	Marks With Option
1	Expressions and control statements in PHP	14
2	Arrays, Functions and Graphics	22
3	Apply Object Oriented Concept in PHP	24
4	Creating and validating forms	16
5	Database Operation	26
<b>Total Marks</b>		<b>102</b>



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# BOARD THEORY

# PAPER PATTERN

# FOR WBP (22619)

<b>Q.1</b>		<b>Attempt any FIVE</b>	<b>5*2=10</b>
	a)	Expressions and control statements in PHP	
	b)	Arrays, Functions and Graphics	
	c)	Apply Object Oriented Concept in PHP	
	d)	Creating and validating forms	
	e)	Database Operation	
	f)	Expressions and control statements in PHP	
	g)	Database Operation	
<b>Q.2</b>		<b>Attempt any THREE</b>	<b>3*4=12</b>
	a)	Expressions and control statements in PHP	
	b)	Arrays, Functions and Graphics	
	c)	Apply Object Oriented Concept in PHP	
	d)	Creating and validating forms	



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<b>Q.3</b>		<b>Attempt any THREE</b>	<b>3*4=12</b>
	<b>a)</b>	Database Operation	
	<b>b)</b>	Expressions and control	
	<b>c)</b>	Arrays, Functions and Graphics	
	<b>d)</b>	Form and Event Handling	
<b>Q.4</b>		<b>Attempt any THREE</b>	<b>3*4=12</b>
	<b>a)</b>	Arrays, Functions and Graphics	
	<b>b)</b>	Apply Object Oriented Concept in PHP	
	<b>c)</b>	Creating and validating forms	
	<b>d)</b>	Arrays, Functions and Graphics	
	<b>e)</b>	Arrays, Functions and Graphics	
<b>Q.5</b>		<b>Attempt any TWO</b>	<b>2*6=12</b>
	<b>a)</b>	Database Operation	
	<b>b)</b>	Apply Object Oriented Concept in PHP	
	<b>c)</b>	Database Operation	
<b>Q.6</b>		<b>Attempt any TWO</b>	<b>2*6=12</b>
	<b>a)</b>	Database Operation	
	<b>b)</b>	Apply Object Oriented Concept in PHP	
	<b>c)</b>	Apply Object Oriented Concept in PHP	



# CLASS TEST - I

## PAPER PATTERN

**COURSE: - Web Based Application Development with PHP(22619)**

**PROGRAMME: - Computer Technology**

**Syllabus: -**

Unit No.	Name of the Unit	Course Outcome (CO)
1	Expressions and control statements in PHP	CO-619.01
2	Arrays, Functions and Graphics	CO-619.02

Q.1	Attempt any FOUR 4*2=8Marks	Course Outcome (CO)
a)	Expressions and control statements in PHP	CO-619.01
b)	Arrays, Functions and Graphics	CO-619.02
c)	Expressions and control statements in PHP	CO-619.01
d)	Arrays, Functions and Graphics	CO-619.02
e)	Expressions and control statements in PHP	CO-619.01
f)	Arrays, Functions and Graphics	CO-619.02
Q.2	Attempt any THREE 3*4=12 Marks	
a)	Expressions and control statements in PHP	CO-619.01
b)	Expressions and control statements in PHP	CO-619.01
c)	Arrays, Functions and Graphics	CO-619.02
d)	Arrays, Functions and Graphics	CO-619.02



# CLASS TEST - II

## PAPER PATTERN

**COURSE: - Web Based Application Development with PHP(22619)**

**PROGRAMME: - Computer Technology**

**Syllabus: -**

Unit No.	Name of the Unit	Course Outcome (CO)
3	Apply Object Oriented Concept in PHP	CO-619.03
4	Creating and validating forms	CO-619.04
5	Database Operation	CO-619.05

Q.1	Attempt any FOUR 4*2=8Marks	Course Outcome (CO)
a)	Apply Object Oriented Concept in PHP	CO-619.03
b)	Creating and validating forms	CO-619.04
c)	Database Operation	CO-619.05
d)	Apply Object Oriented Concept in PHP	CO-619.03
e)	Creating and validating forms	CO-619.04
f)	Database Operation	CO-619.05
Q.2	Attempt any THREE 3*4=12 Marks	
a)	Apply Object Oriented Concept in PHP	CO-619.03
b)	Creating and validating forms	CO-619.04
c)	Apply Object Oriented Concept in PHP	CO-619.03
d)	Creating and validating forms	CO-619.04



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# **COURSE OUTCOME**

## **(CO)**

**COURSE: - Web Based Application Development with PHP(22619)**

**PROGRAMME: - Computer Technology**

<b>CO. NO.</b>	<b>Course Outcome</b>
<b>CO-619.1</b>	Develop program using control statement.
<b>CO-619.2</b>	Perform operations based on arrays and graphics.
<b>CO-619.3</b>	Develop programs by applying various object oriented concepts.
<b>CO-619.4</b>	Use form controls with validation to collect user's input.
<b>CO-619.5</b>	Perform database operations in PHP.



# 1. Expressions and control statements in PHP

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**Position in Question Paper**

**Total Marks-12**

**Q.1. a) 2-Marks.**

**Q.1. f) 2-Marks.**

**Q.2. a) 4-Marks.**

**Q.3. b) 4-Marks.**

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## Descriptive Question

1. Which tag is used to define PHP code?
2. Write features of PHP.
3. "Whole PHP code (script) is case sensitive" Justify true or false.
4. Give difference between for each and for statement.
5. What are the two types of comment tags?
6. Example of static, local and, global variable. Explain it.
7. How can we use while. do. While & switch statement?
8. How we use else and elseif statement in PHP?
9. Why PHP is known as Scripting language?
10. Explain identical operator
11. Explain the bitwise operator with suitable example.
12. What is the difference between ++\$j and \$j++?
13. How do you convert one variable type to another (say, a string to a number)?
14. Difference between variables and constants in PHP.
15. Explain in detail about Control Structures in PHP.
16. Why var\_dump( ) is preferable over print\_r() ?
17. What is type juggling?.
18. Write any 5 web server name.
19. Write a Script to construct the following pattern, using a nested for loop.

\*

\* \*









- 12 Which one is not a data type in PHP?  
a) Resources c) Null  
b) Objects d) **Void**
- 13 The range of integers must lie between \_\_\_\_\_?  
a)  $-2^{15}$  to  $2^{15}$ . c)  **$-2^{31}$  to  $2^{31}$ .**  
b)  $-2^{16}$  to  $2^{16}$ . d)  $-2^{32}$  to  $2^{32}$ .
- 14 How many value does Boolean data type hold?  
a) 1 c) 3  
b) **2** d) 4
- 15 Objects are defined as instances of user defined classes that can hold \_\_\_\_\_?  
a) values c) **both values and functions**  
b) functions d) None of the above
- 16 Any variables declared in PHP must begin with a \_\_\_\_\_?  
a) . c) &  
b) # d) **\$**
- 17 A variable can have \_\_\_\_\_?  
a) long descriptive names c) **Both A and B**  
b) short names d) None of the above
- 18 A variable name can only contain \_\_\_\_\_?  
a) alphanumeric characters c) **Both A and B**  
b) underscores d) None of the above
- 19 Variable names in PHP must start with ?  
a) letter c) no numbers  
b) underscore d) **All of the above**
- 20 PHP variables are case-sensitive?  
a) **True** c) For "sum" variable it is case-sensitive  
b) False d) None of the above
- 21 How many variable scope are there in php?  
a) 2 c) 1  
b) **3** d) 4
- 22 PHP supports \_\_\_\_\_ types of looping techniques?  
a) 2 c) **4**  
b) 3 d) 5
- 23 How many main parameter are used in for loop?  
a) 2 c) 4  
b) **3** d) 1
- 24 do-while loop is an \_\_\_\_\_ control loop ?



- a) **exit** c) easy  
b) exist d) entry
- 25 while loop is an \_\_\_\_\_ control loop ?  
a) exit c) easy  
b) exist **d) entry**
- 26 foreach loop is used to iterate over \_\_\_\_\_?  
a) number c) function  
b) object **d) array**
- 27 Which loop evaluates the condition expression as Boolean, if it is true, it executes the statements and when it is false it will terminate?  
a) For loop c) do-while loop  
**b) while loop** d) All of the above
- 28 How many ways user can print output in PHP?  
a) 1 c) 3  
**b) 2** d) 4
- 29 print statement can take \_\_\_\_\_ argument?  
**a) 1** c) 3  
b) 2 d) 4
- 30 How many return value does echo statement has?  
a) 1 c) 3  
b) 2 **d) 0**
- 31 Echo statement is written under parentheses?  
a) True  
**b) False**  
c) Only for string it written under parentheses  
d) Only for variable it written under parentheses
- 32 Which statement is faster among echo and print?  
**a) echo** c) echo and print has same speed  
b) print d) None of the above
- 33 PHP Stands for?  
a) PHP Hypertex Processor c) PHP Hyper Markup Preprocessor  
b) PHP Hyper Markup Processor **d) PHP Hypertext Preprocessor**
- 34 PHP is an example of \_\_\_\_\_ scripting language.  
**a) Server-side** c) Browser-side  
b) Client-side d) In-side
- 35 Who is known as the father of PHP?  
**a) Rasmus Lerdorf** c) Drek Kolkevi





## 2. Arrays, Functions and Graphics

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**Position in Question Paper**

**Total Marks-16**

**Q.1. b) 2-Marks.**

**Q.2. b) 4-Marks.**

**Q.3. c) 4-Marks.**

**Q.4. a) 4-Marks**

**Q.4. d) 4-Marks**

**Q.4. e) 4-Marks**

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### **Descriptive Question**

1. Explain any four math function available in PHP.
2. How will you create arrays in PHP?
3. Write notes on formatting strings with PHP. Describe about drawing anew image in PHP
4. Write the difference between built in function & user definedfunction.
5. Explain any four string manipulating function with example.
6. Explain exploding & imploding function example.
7. How to remove leading and trailing spaces of the strings?
8. How to traversing array with different ways?
9. How to search an element from array using built in function?
10. Write a short note sorting on array.
11. How to remove any element from array?
12. How will you find number of elements in array?
13. List string related function?
14. Explain any two. List date related functions. Explain any two.
15. Write a function that prompts the user for a color and uses what they



select to set the background color of the new webpage opened

16. Explain the scope of variable with the help of programming example

17. How to retrieve a position of desired word from the string

## MCQ Question

**(Total number of Question=Marks\*3=16\*3=48)**

Note: Correct answer is marked with **bold**

- How to define a function in PHP?
  - function {function body}
  - data type functionName(parameters) {function body}
  - functionName(parameters) {function body}
  - function functionName(parameters) {function body}**
- What will be the output of the following PHP code?

```
1. <?php
2. function calc($price, $tax="")
3. {
4.     $total = $price + ($price * $tax);
5.     echo "$total";
6. }
7. calc(42);
8. ?>
```

- Error
  - 0
  - 42
  - 84
- Array values are keyed by \_\_\_\_\_ values (called indexed arrays) or using \_\_\_\_\_ values (called associative arrays). Of course, these key methods can be combined as well.
    - Float, string
    - Positive number, negative number
    - String, Boolean
    - Integer, string**
  - What will the following script output?

```
<?php
$array = array (1, 2, 3, 5, 8, 13, 21, 34, 55);
$sum = 0;
for ($i = 0; $i < 5; $i++) {
    $sum += $array[$array[$i]];
}
```







- a) **An array with properties of that object as the array's elements.**  
b) An array with properties of that array as the object's elements.  
c) An array with properties of that object as the Key elements.  
d) An array with keys of that object as the array's elements.
- 13 Which of the following will not combine strings \$s1 and \$s2 into a single string?  
a) **`$s1 + $s2`** c) `$s1.$s2`  
b) `"{$s1}{$s2}"` d) `implode(' ', array($s1,$s2))`
- 14 Given a variable \$email containing the string user@example.com, which of the following statements would extract the string example.com?  
a) `substr($email, strpos($email, "@"));`  
b) `strrstr($email, "@");`  
c) `strchr($email, "@");`  
d) **`substr($email, strpos($email, "@")+1);`**
- 15 Given a comma-separated list of values in a string, which function from the given list can create an array of each individual value with a single call?  
a) `strrstr()` c) `extract()`  
b) Cannot be done with a single function d) **`explode()`**
- 16 What is the best all-purpose way of comparing two strings?  
a) Using the `strpos` function c) Using `strcasecmp()`  
b) Using the `==` operator d) **Using `strcmp()`**
- 17 The \_\_\_\_\_ function can be used to compare two strings using a case-insensitive binary algorithm  
a) `strcmp()` c) **`strcasecmp()`**  
b) `stricmp()` d) `stristr()`
- 18 In PHP, the difference between double quote and single quote is that variables . . . . in single quoted strings whereas they . . . . in double quoted strings.  
a) **are not parsed, are parsed** c)  
b) are parsed, are not parsed d)
- 19 PHP strings are binary-safe (i.e. they can contain null bytes) . Their size is limited only by the amount of memory that is available to PHP.  
a) **True** c)  
b) False d)
- 20 Print `substr ('watch out for that tree',20,5);`  
What is the output of above statement?  
a) tree c) **ree**  
b) tree' d) none of above







- b) **double quote string**                      d) None of the above
- 45 Which of the following is not a Built-in String functions in php?  
a) strlen()    c) strpos()  
b) str\_replace()                                      d) **strreverse()**
- 46 Why trim() function is used in php?  
a) **to remove whitespaces**                      c) to remove uppercase alphabet  
b) to remove lowercase alphabet              d) to remove underscore
- 47 Which of the following is the output of the below code?  

```
<?php
echo strpos("Hello letsfindcourse!", "lets"), " \n";
?>
```

  
a) 4    c) **6**  
b) 5    d) 7
- 48 Which of the following is the output of the below code?  

```
<?php
var_dump(strpos("Hello letsfindcourse!", "course"));
?>
```

  
a) int(13)    c) **int(14)**  
b) char(14)    d) int(15)
- 49 Which is true about var\_dump() function?  
a) var\_dump() loops infinitely  
b) var\_dump() cuts off loop afetr getting same element two times  
c) **var\_dump() cuts off loop after getting the same element three times**  
d) var\_dump() cuts off loop after getting the same element five times
- 50 The \_\_\_\_\_ function compares the two strings s1 and s2, ignoring the case of the characters.  
a) strtolower()                                      c) **strcasecmp()**  
b) toLowerCase()                                      d) lc()
- 51 Returns a string arguments with trilling blank space removed, is a behavior of  
a) starts( ) function                                      c) rtrim( ) function  
b) chop( ) function                                      d) **lc()**
- 52 What is the output of the following php code?  

```
<?php
$username = "letsfindcourse";
if (preg_match("[^a-z]", $username))
    echo "Name must be all lowercase!";
else
    echo "Name is all lowercase!";
?>
```



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- a) Error
- b) No Output
- c) Name must be all lowercase!
- d) **Name is all lowercase!**



## 3. Apply Object Oriented Concept in PHP

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**Position in Question Paper**

**Total Marks-16**

**Q.1. c) 2-Marks.**

**Q.2. c) 4-Marks.**

**Q.3. d) 4-Marks.**

**Q.4. b) 4-Marks.**

**Q.5. b) 6-Marks.**

**Q.6. b) 6-Marks.**

**Q.6. c) 6-Marks.**

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### **Descriptive Question**

1. What is the purpose of \$this & extends?
2. What are serializable objects in PHP?
3. How to access properties and methods explain with example and also explain \$this variable?
4. How to declare and access properties of class.
5. List types of constructors. Explain any one with suitable example.
6. Define term constructor and destructor.
7. List types of inheritance. Explain any one with suitable example.
8. How multiple inheritance is achieved in PHP ?
9. Explain method overloading concept in PHP with suitable example.
10. Explain method overriding concept in PHP with suitable example.
11. Explain types of overloading in PHP.
12. Explain magic methods in PHP
13. Describe final class and final method.
14. Explain cloning object in PHP.
15. Explain in detail the types of inheritance supports by PHP.



## MCQ Question

(Total number of Question=Marks\*3=16\*3=48)

Note: Correct answer is marked with **bold**

- 1 A function in PHP which starts with \_\_ (double underscore) is known as \_\_\_\_\_
  - a) **Magic Function**
  - b) Inbuilt Function
  - c) Default Function
  - d) User Defined Function
- 2 Which one of the following functions is used to determine whether a class exists?
  - a) exist ()
  - b) exist\_class()
  - c) **class\_exist()**
  - d) \_\_exist()
- 3 Which keyword allows class members (methods and properties) to be used without needing to instantiate a new instance of the class?
  - a) protected
  - b) final
  - c) **static**
  - d) private
- 4 Which of the following advanced OOP features is/ are not supported by PHP? i) Method overloading ii) Multiple Inheritance iii) Namespaces iv) Object Cloning
  - a) All of the mentioned
  - b) None of the mentioned
  - c) **i) and ii)**
  - d) iii) and iv)
- 5 The practice of separating the user from the true inner workings of an application through well-known interfaces is known as \_\_\_\_\_
  - a) Polymorphism
  - b) Inheritance
  - c) **Encapsulation**
  - d) Abstraction
- 6 Which of the following term originates from the Greek language that means "having multiple forms," defines OOP's ability to redefine, a class's characteristics?
  - a) Abstraction
  - b) **Polymorphism**
  - c) Inheritance
  - d) Differential
- 7 The practice of creating objects based on predefined classes is often referred to as \_\_\_\_\_
  - a) class creation
  - b) object creation
  - c) object instantiation
  - d) **class instantiation**
- 8 Which one of the following property scopes is not supported by PHP?
  - a) **friendly**
  - b) private
  - c) public
  - d) protected



- b) final  
d) static
- 9 Which one of the following can be used to instantiate an object in PHP assuming class name to be Foo?  
a) `$obj = new $foo;`  
b) `$obj = new foo;`  
c) **`$obj = new foo ();`**  
d) `obj = new foo ();`
- 10 Which one of the following is the right way to define a constant?  
a) `constant PI = "3.1415";`  
b) `const $PI = "3.1415";`  
c) `constant PI = '3.1415';`  
d) **`const PI = '3.1415';`**
- 11 Which one of the following is the right way to call a class constant, given that the class is mathFunction?  
a) `echo PI;`  
b) `echo mathFunction->PI;`  
c) **`echo mathFunction::PI;`**  
d) `echo mathFunction=PI;`
- 12 Which one of the following is the right way to invoke a method?  
a) **`$object->methodName();`**  
b) `object->methodName();`  
c) `object::methodName();`  
d) `$object::methodName();`
- 13 Which method scope prevents a method from being overridden by a subclass?  
a) Abstract  
b) Protected  
c) **Final**  
d) Static
- 14 Which of the following statements is/are true about Constructors in PHP?  
i) PHP 4 introduced class constructors.  
ii) Constructors can accept parameters.  
iii) Constructors can call class methods or other functions.  
iv) Class constructors can call on other constructors.  
a) ii)  
b) ii) and iii)  
c) **i), ii), iii) and iv)**  
d) ii), iii) and iv)
- 15 PHP recognizes constructors by the name \_\_\_\_\_  
a) `classname()`  
b) `__construct()`  
c) `function _construct()`  
d) **`function __construct()`**
- 16 Which version of PHP introduced the instanceof keyword?  
a) PHP 4  
b) **PHP 5**  
c) PHP 5.3  
d) PHP 6
- 17 Which one of the following functions is used to determine whether a class exists?  
a) `exist()`  
b) `exist_class()`  
c) **`class_exist()`**  
d) `__exist()`









- b) previous  
d) All of the above
- 35 Constructor is also called \_\_\_\_\_ function  
a) find  
b) key  
c) automatic  
d) **magic**
- 36 PHP recognizes constructors by the name.  
a) classname()  
b) \_construct()  
c) function \_construct()  
d) **function \_\_construct()**
- 37 Which one of the following functions is used to determine object type?  
a) obj\_type()  
b) type()  
c) **is\_a()**  
d) is\_obj()
- 38 Which one of the following can be used to instantiate an object in PHP assuming class name to be LFC?  
a) \$obj = new \$LFC;  
b) \$obj = new LFC;  
c) **\$obj = new LFC ();**  
d) obj = new LFC ();
- 39 Classes are the \_\_\_\_\_ of objects.  
a) type  
b) blueprints  
c) reference  
d) **instances**
- 40 Class is a programmer-defined data type, which includes \_\_\_\_\_ methods and \_\_\_\_\_ variable?  
a) local, global  
b) global, global  
c) global, local  
d) **local, local**
- 41 What will be the syntax of defining the class?  
a) class lfc ()  
b) class lfc []  
c) **class lfc {}**  
d) lfc class{ }
- 42 We define our own class by starting with the keyword \_\_\_\_\_ ?  
a) **class**  
b) function  
c) auto  
d) var
- 43 Which one of the following functions is used to determine whether a class exists?  
a) exist()  
b) exist\_class()  
c) **class\_exist()**  
d) \_\_exist()
- 44 Which keyword is used to refer to properties or methods within the class itself?  
a) Private  
b) public  
c) Protected  
d) **this**
- 45 Which one of the following is the right way to call a class constant, given that the class is mathFunction?  
a) echo mathFunction->PI;  
b) **echo mathFunction::PI;**  
c) **echo mathFunction::PI;**  
d) echo mathFunction::PI;







## 4. Creating and validating form

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**Position in Question Paper**

**Total Marks- 16**

**Q.1. d) 2-Marks.**

**Q.2. d) 4-Marks.**

**Q.4. c) 4-Marks.**

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### **Descriptive Question**

1. Explain self-processing forms in PHP with example
2. Write a PHP program that demonstrate form element (input elements).
3. Write a PHP program that demonstrates passing data using GET method.
4. Write a PHP program that demonstrates passing data using POST method.
5. How does the form information get from the browser to the server?
6. What is the difference between get and post methods?
7. How does PHP handle forms with multiple selections?
8. What is the difference between Session and Cookie ?
9. How can we destroy the cookie?
10. What is the use of session\_start() ?
11. How to register a variable in PHP session ? How to validate user input  
PHP? Explain
12. Write a program to create a session, to set a value in session, and to  
remove data from a session.
13. Write a PHP code to find greatest of two numbers? Accept numbers from  
users
14. Create Customer form like Customer name, Address, mobile no, item purchase,  
Amount using different form input element & display user inserted values in new PHP



form

15. Create Employee form like Employee name, Address, Mobile no, Date of birth, Post & Salary using different form input element & display user inserted values in same PHP form
16. A simple calculator web application that takes 2 numbers and an operator (+, -, \*, /, %) from an HTML page and returns the result page with the operation performed on the operands.
17. Write a program that demonstrates use of cookies.
18. Write a PHP program that demonstrates use of session
19. Write a simple PHP program to check that emails are valid.
20. Explain the superglobals PHP
21. Define session and cookies
22. Define cookies. What is the need of it?
23. Define Cookie. How to create & delete it How can we retrieve a Cookie value?

## MCQ Question

**(Total number of Question=Marks\*3=8\*3=24)**

Note: Correct answer is marked with **bold**

- 1 Which one of the following is the very first task executed by a session enabled page?
  - a) Delete the previous session
  - b) Start a new session
  - c) **Check whether a valid session exists**
  - d) Handle the session
- 2 How many ways can a session data be stored?
  - a) 3
  - b) **4**
  - c) 5
  - d) 6
- 3 Which directive determines how the session information will be stored?







- a) `$SESSION['username'] = "Nachi";`  
b) `$_SESSION['username'] = "Nachi";`  
c) `session_start("nachi");`  
d) `$SESSION_START["username"] = "Nachi";`
- 14 What will be the output of the following PHP code? (Say your previous session username was nachi.)  
1. `unset($_SESSION['username']);`  
2. `printf("Username now set to: %s", $_SESSION['username']);`  
a) Username now set to: nachi                      c) **Username now set to:**  
b) Username now set to: System                      d) Error
- 15 An attacker somehow obtains an unsuspecting user's SID and then using it to impersonate the user in order to gain potentially sensitive information. This attack is known as \_\_\_\_\_  
a) **session-fixation**                                      c) session-hijack  
b) session-fixing    d) session-copy
- 16 Which parameter determines whether the old session file will also be deleted when the session ID is regenerated?  
a) `delete_old_file`                                      c) `delete_old_session_file`  
b) **`delete_old_session`**                                      d) `delete_session_file`
- 17 Which function effectively deletes all sessions that have expired?  
a) `session_delete()`                                      c) `session_garbage_collect()`  
b) `session_destroy()`                                      d) **`SessionHandler::gc`**
- 18 Which function is used to transform PHP's session-handler behavior into that defined by your custom handler?  
a) `session_set_save()`                                      c) `Session_handler()`  
b) **`session_set_save_handler()`**                                      d) `session_save_handler()`
- 19 The `session_start()` function must appear \_\_\_\_\_  
a) after the html tag                                      c) before the body tag  
b) after the body tag                                      d) before the html tag
- 20 What is the return type of `session_set_save_handler()` function?  
a) **boolean**    c) float  
b) integer    d) character
- 21 Which of the following can be used to get data sent via get or post method in PHP?  
a) **`$_REQUEST`**    c) `$_POST`



- b) `$_GET` d) None of these
- 22 Which one of the following function is used to send an e-mail using PHP script ?
- a) **Mail()** c) `mail_send()`  
b) `send_mail()` d) None of these
- 23 Which two predefined variables are used to retrieve information from forms?
- a) `$GET` & `$SET` c) `$_GET` & `$_SET`  
b) **`$_GET` & `$_SET`** d) `GET` & `SET`
- 24 The attack which involves the insertion of malicious code into a page frequented by other users is known as \_\_\_\_\_
- a) basic sql injection c) **cross-site scripting**  
b) advanced sql injection d) scripting
- 25 When you use the `$_GET` variable to collect data, the data is visible to \_\_\_\_\_
- a) none c) **everyone**  
b) only you d) selected few
- 26 When you use the `$_POST` variable to collect data, the data is visible to \_\_\_\_\_
- a) none c) everyone  
b) **only you** d) selected few
- 27 Which variable is used to collect form data sent with both the GET and POST methods?
- a) `$BOTH` c) `$REQUEST`  
b) `$_BOTH` d) **`$_REQUEST`**
- 28 Which one of the following should not be used while sending passwords or other sensitive information?
- a) **GET** c) `REQUEST`  
b) `POST` d) `NEXT`
- 29 Which function is used to remove all HTML tags from a string passed to a form?
- a) `remove_tags()` c) `tags_strip()`  
b) **`strip_tags()`** d) `tags_remove()`
- 30 To validate an email address, which flag is to be passed to the function `filter_var()`?
- a) **`FILTER_VALIDATE_EMAIL`** c) `VALIDATE_EMAIL`  
b) `FILTER_VALIDATE_MAIL` d) `VALIDATE_MAIL`
- 31 How many validation filters like `FILTER_VALIDATE_EMAIL` are currently available?





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- a) **cookie** c) manipulate  
b) cookies d) manipulate cookie
- 42 Which of the following explains Cookies nature?  
a) Non Volatile c) Intransient  
b) Volatile **d) Transient**
- 43 Which attribute is used to extend the lifetime of a cookie?  
a) Higher-age c) **Max-age**  
b) Increase-age d) Lifetime
- 44 Which of the following defines the Cookie visibility?  
a) Document Path c) sessionStorage  
b) localStorage **d) All of the mentioned**
- 45 Which of the following can be used to configure the scope of the Cookie visibility?  
a) Path c) Both Path and Domain  
b) Domain **d) Server**
- 46 Which one of the following is the very first task executed by a session enabled page?  
a) Delete the previous session  
b) Start a new session  
**c) Check whether a valid session exists**  
d) Handle the session
- 47 How many ways can a session data be stored?  
a) 3 c) 5  
**b) 4** d) 6
- 48 Which directive determines how the session information will be stored?  
a) save\_data c) session.save\_data  
b) session.save **d) session.save\_handler**
- 49 Which one of the following is the default PHP session name?  
**a) PHPSESSID** c) PHPSESSIONID  
b) PHPSESID d) PHPIDSESS
- 50 If session.use\_cookie is set to 0, this results in use of \_\_\_\_\_  
a) Session c) **URL rewriting**  
b) Cookie d) Nothing happens
- 51 If the directive session.cookie\_lifetime is set to 3600, the cookie will live until \_\_\_\_\_  
**a) 3600 sec** c) 3600 hrs  
b) 3600 min d) the browser is restarted





# 5. Database Operation

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**Position in Question Paper**

**Total Marks-14**

**Q.1. e) 2-Marks.**

**Q.1. g) 2-Marks.**

**Q.3. a) 4-Marks.**

**Q.5. a) 6-Marks.**

**Q.5. c) 6-Marks.**

**Q.6. a) 6-Marks.**

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## Descriptive Question

1. What is the purpose of the semicolon in MySQL queries?
2. Explain field types of MySQL.
3. Which command would you use to view the available databases or tables?
4. How can you view the structure of a table?
5. How do you connect to a MySQL database using mysqli?
6. How do you connect mysql database with PHP?
7. How do you submit a query to MySQL using mysqli?
8. How can you retrieve a string containing an error message when a mysqli error occurs?
9. How can you determine the number of rows returned by a mysqli query?
10. How can you retrieve a particular row of data from a set of mysqli results?
11. What negative effects can happen if you do not close the objects created by mysqli methods?
12. List types of MySQL databases.
13. Write the PHP code for fetching the data from a database to webpage?
14. What is the difference between `mysql_fetch_object` and `mysql_fetch_array`?
15. Explain `mysql_num_rows` and `mysql_selectdb` command.



16. Write use of `mysql_fetch_row()` and `mysql_fetch_array()` command
17. Explain `mysql_fetch_array()` function.
18. Write a PHP Script to display all the records of students (Name, Address, Class, Semester) from MySQL table `std_info` in table format.
19. Explain use of query string with example in PHP.
20. Write a PHP script to insert one record in student registration table ( `roll_no`, `name`, `city`, `mobile no`) in MySQL database.
21. Write a PHP script to read Account information for customer name, account no, `account_type`, `branch_name`, `city`, `amount` from Account table and display all this information in table format on output screen. Account table is in MySQL database.
22. Describe `mysql_connect()` function of MySQL database using PHP.
23. Write PHP script to select records in table of MySQL database
24. Write PHP script to update record in table of MySQL database.
25. Write PHP script to delete records in table of MySQL database
26. List storage engine in MySQL. Explain any one.

## MCQ Question

(Total number of Question=Marks\*3=14\*3=42)

Note: Correct answer is marked with **bold**

- 1 Which of the following method can be used to close a MySql database using PHP?
  - a) `mysql_connect()`
  - b) `mysql_query()`
  - c) **`mysql_close()`**
  - d) None of the above
- 2 Which one of the following databases has PHP supported almost since the beginning?
  - a) Oracle Database
  - b) SQL
  - c) SQL+
  - d) **MySQL**
- 3 The updated MySQL extension released with PHP 5 is typically referred to as
  - a) MySQL
  - b) `mysql`
  - c) **`mysqli`**
  - d) `Mysqly`



- 4 Which one of the following lines need to be uncommented or added in the php.ini file so as to enable mysqli extension?
  - a) **extension=php\_mysql.dll**
  - b) extension=mysqli.dll
  - c) extension=php\_mysql.dll
  - d) extension=mysqli.dll
- 5 In which version of PHP was MySQL Native Driver(also known as mysqli) introduced?
  - a) PHP 5.0
  - b) PHP 5.1
  - c) PHP 5.2
  - d) **PHP 5.3**
- 6 Which one of the following statements is used to create a table?
  - a) **CREATE TABLE table\_name (column\_name column\_typ;**
  - b) CREATE table\_name (column\_type column\_name;
  - c) CREATE table\_name (column\_name column\_typ;
  - d) CREATE TABLE table\_name (column\_type column\_name;
- 7 Which one of the following statements instantiates the mysqli class?
  - a) mysqli = new mysqli()
  - b) **\$mysqli = new mysqli()**
  - c) \$mysqli->new(mysqli())
  - d) mysqli->new(mysqli())
- 8 Which one of the following statements can be used to select the database?
  - a) \$mysqli=select\_db('databasename');
  - b) mysqli=select\_db('databasename');
  - c) mysqli->select\_db('databasename');
  - d) **\$mysqli->select\_db('databasename');**
- 9 Which one of the following methods can be used to diagnose and display information about a MySQL connection error?
  - a) connect\_errno()
  - b) connect\_error()
  - c) **mysqli\_connect\_errno()**
  - d) mysqli\_connect\_error()
- 10 Which method returns the error code generated from the execution of the last MySQL function?
  - a) **errno()**
  - b) errnumber()
  - c) errorno()
  - d) errornumber()
- 11 If there is no error, then what will the error() method return?
  - a) TRUE
  - b) FALSE
  - c) **Empty String**
  - d) 0
- 12 Which one of the following statements should be used to include a file?
  - a) #include 'filename';
  - b) **include 'filename';**
  - c) @include 'filename';
  - d) #include <filename>;
- 13 Which one of the following methods is responsible for sending the query to the database?
  - a) query()
  - b) send\_query()
  - c) sendquery()
  - d) **mysqli\_query()**
- 14 Which one of the following methods recuperates any memory consumed by a result





- set?
- a) destroy()
  - b) **mysqli\_free\_result()**
  - c) alloc()
  - d) free()
- 15 Which of the methods are used to manage result sets using both associative and indexed arrays?
- a) get\_array() and get\_row()
  - b) get\_array() and get\_column()
  - c) fetch\_array() and fetch\_row()
  - d) **mysqli\_fetch\_array(), mysqli\_fetch\_row()**
- 16 Which one of the following method is used to retrieve the number of rows affected by an INSERT, UPDATE, or DELETE query?
- a) num\_rows()
  - b) affected\_rows()
  - c) changed\_rows()
  - d) **mysqli\_affected\_rows()**
- 17 Which version of MySQL introduced the prepared statements?
- a) MySQL 4.0
  - b) **MySQL 4.1**
  - c) MySQL 4.2
  - d) MySQL 4.3
- 18 Which of the following methods is used to execute the statement after the parameters have been bound?
- a) **bind\_param()**
  - b) bind\_result()
  - c) bound\_param()
  - d) bound\_result()
- 19 Which one of the following methods is used to recuperating prepared statements resources?
- a) end()
  - b) finish()
  - c) **mysqli\_close()**
  - d) close()
- 20 Which method retrieves each row from the prepared statement result and assigns the fields to the bound results?
- a) get\_row()
  - b) fetch\_row()
  - c) fetch()
  - d) **mysqli\_fetch\_row()**
- 21 Which method rolls back the present transaction?
- a) commit()
  - b) undo()
  - c) **mysqli\_rollback()**
  - d) rollback()
- 22 Which of the following DBMSs do not have a native PHP extension?
- a) MySQL
  - b) IBM DB/2
  - c) Microsoft SQL Server
  - d) **None of the above**
- 23 Transactions are used to treat sets of SQL statements atomically.
- a) **True**
  - b) False
  - c) invalid
  - d) No
- 24 SQL is not case sensitive. SELECT is the same as select.
- a) **True**
  - b) False
  - c) invalid
  - d) No
- 25 Which of the following is not an SQL aggregate function?



- a) AVG  
b) SUM
- c) MAX  
d) **CURRENT\_DATE()**
- 26 What does the DESC keyword do in the following query?  
SELECT \*  
FROM MY\_TABLE  
WHERE ID > 0  
ORDER BY ID, NAME DESC
- a) It causes the dataset returned by the query to be sorted in descending order  
b) **It causes rows with the same ID to be sorted by NAME in descending order**  
c) It causes rows to be sorted by NAME first and then by ID  
d) It causes rows with the same ID to be sorted by NAME in ascending order
- 27 The ..... statement is used to delete a table.
- a) **DROP TABLE**  
b) DELETE TABLE
- c) DEL TABLE  
d) REMOVE TABLE
- 28 What will happen at the end of the following sequence of SQL commands?  
BEGIN TRANSACTION  
DELETE FROM MYTABLE WHERE ID=1  
DELETE FROM OTHERTABLE  
ROLLBACK TRANSACTION
- a) The contents of OTHERTABLE will be deleted  
b) The database will remain unchanged to all users except the one that executes these queries.  
c) **The database will remain unchanged**  
d) The contents of both OTHERTABLE and MYTABLE will be deleted
- 29 Use the ..... to delete the data inside the table, and not the table itself?
- a) DROP TABLE  
b) DELETE TABLE
- c) **TRUNCATE TABLE**  
d) REMOVE TABLE
- 30 In PHP in order to access MySQL database you will use:
- a) mysqlconnect() function  
b) mysql-connect() function
- c) **mysql\_connect() function**  
d) sql\_connect() function
- 31 The database administrator uses the \_\_\_\_\_ command to revoke privileges from users.
- a) **REVOKE**  
b) COMMIT
- c) GRANT  
d) ROLLBACK
- 32 In MySQL, use the \_\_\_\_\_ data type for variable-length character columns.
- a) CHAR  
b) BLOB
- c) **VARCHAR**  
d) TEXT
- 33 In order to use the ROLLBACK commands in MySQL, you need to change the value for \_\_\_\_\_ to 0.
- a) COMMIT  
b) **AUTOCOMMIT**
- c) ROLLBACK  
d) NONE





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- a) Date & time  
b) string
- 46 Which format display mysql data values?  
a) yyyy-dd-mm  
b) mm-dd-yyyy
- c) numeric  
d) **All above**
- c) dd-mm-yyyy  
d) **yyyy-mm-dd**