# A

# MINI GUIDE

# FOR

# PHP CERTIFICATION

## (INCLUDES DUMPS AND PRACTICE QUESTIONS)



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# EXAM INFORMATION

Exam Code: 200-530

Exam Title: Zend PHP 5.3 Certification

Languages Offered: English

Time Limit: 90 minutes

Voucher Cost: 125$

# PREFACE

Hello friends I am Snehil Kamal, an independent software and web developer. I recently passed the zend PHP certification exam (ZCE). So I want to share my experiences with you about the exam pattern, types of questions asked and strategy needed. I am sure after reading this guide and solving the questions given henceforth you will be able to go through the exam swiftly. Firstly I want to remind you that this exam is not as easy as it is thought to be. I could pass it in my second attempt. I used to think that having a multitude of experience as a PHP developer I may pass it without any significant preparation. But I was very wrong and hence lost my 125$ in the first attempt. There are a lot of misconceptions all over the net about this exam. Just ignore them and start preparing on your own. ZCE is one of the most difficult certification exam in IT industry. Also there are least number of PHP certified candidates as compared to other certification exams. This ultimately adds the value to this certification. The difficulty of this test arises from lack of proper study guides and practice questions available. Hence in this guide I have tried to cover all the major tips and tricks and dump questions which may help you a lot in clearing this exam. Believe me I got a 5 times increase in my clients after becoming Zend certified engineer. So start preparing well for a good career in PHP and web development

# STRATEGY BUILDING

To have a swift go through this exam just follow the following steps which I recommend personally:-

a) First of all have a good understanding of PHP language and its syntax. Use a good book available in market and read it once throughout without caring about the exam syllabus.

b) Do a small project on PHP. If you can't manage live projects just go for a dummy project. This will help you in error tracing and debugging

c) Now it's time to purchase a zend PHP certification guide. It is also available freely as a E-Book.

d) Go through every minute detail of the book. Underline the important points and make notes if required.

e) Since the exam is mostly practice oriented and not theoretical you have to practice coding in detail. Learn to play with codes and note down the things you learnt.

f) Have a quick reading of paul reinheimer's guide, though it is written for PHP 4 yet it is very useful. Download it at http://fileme.us/22j85e

g) The most important guide for this exam is PHP manual itself. Go through the manual keeping in mind the exam syllabus. Read the user comments given below each topic in the manual.

h) For learning the function prototypes use the w3schools tutorial. It has a precise definition of each function

i) Revise your study guide again and again till you become comfortable with each topic. Don't forget to make notes; it will help you for the last week preparation.

j) Next try to practice as much questions as possible. Practice every question given in this guide and understand the concept behind them. You can also purchase the latest practice papers from ZEND store

k) For the last minute preparations use your own notes which you made.

l) Don't panic during the exam, have a confident outlook towards the test.

m) Have a mini breakfast or lunch before the exam. Don't be hungry or thirsty during the exam time.

# TOPICS WHICH YOU SHOULD GIVE SPECIAL ATTENTION TO:-

a) XML and Web Services
b) Magic methods
c) Security
d) Regular expressions
e) Anonymous Functions
f) PHP.ini Config file
g) Autoload
h) Static Methods
i) SPL
j) Strings

# DUMPS AND PRACTICE QUESTIONS

Now I present a list of memory based dumps and practice questions which I collected throughout my preparation. Go through these questions after having a nice understanding of all the concepts. I am sure you will then solve it easily. Though questions hardly repeat in PHP certification test but still patterns remain the same and these questions will help you a lot.

1) Which of the following functions retrieve the entire content of file in such a way that it can be used as a part of expression (choose 2) ?

   a) File_get_contents()
   b) Fgets()
   c) Fopen()
   d) File()
   e) Readfile()

2) Fgets is used to read the file one line at a time??

   a) True
   b) False

3) What is the purpose of basename() function??

4) The ......... function checks that end of file has been

   reached??

a) F_eof()

b) F_of()

c) Feofs()

d) Feof()

5) The ........... function is used to read single character from file??

a) Fgetc()

b) Fgets

c) Fgetf

d) Fget

6) Flock() is used to unlock a file so that two or more people do not access it at the same time.

a) True

b) False

7) What is the output of following:-

```php
<?php
function a($number)
{
  return (b($number) * $number);
}

function b(&$number)
{
```

```php
    ++$number;
}
echo a(5);
?>
```

a) 0
b) 36
c) 6
d) 30

8) **What is the output of the following code?**

```php
<?php
function x10(&$number)
  $number *= 10;

$count = 5;
x10($count);
echo $count;
?>
```

a) Error: Unexpected T_VARIABLE
b) 10
c) Notice regarding pass by reference
d) 50
e) 5

9) **Which of the following is not true?**

a.   PHP can be used to develop web applications.

b.   PHP makes a website dynamic.

c.   PHP applications can not be compiled.

d.   PHP can not be embedded into html.

**10) The most portable version of PHP tag that is compatible to embed in XML or XHTML too is:**

a.     <? ?>

b.     <script language="php"> </script>

c.     <% %>

**11) The following piece of script will output:**

<?

$email='admin@psexam.com';

$new=strstr($email, '@&rsquo;

print $new;

?>

a.     admin

b.     admin@psexam

c.     @psexam.com

d.     psexam.com

**12) When you need to obtain the ASCII value of a character which of the following function you apply in PHP?**

a.     chr( );

b.     asc( );

c.     ord( );

d.      val( );

13) When a file is included the code it contains, behave for variable scope of the line on which the include occurs

a.      Any variable available at that line in the calling file will be available within the called file from that point

b.      Any variable available at that line in the calling file will not be available within the called file

c.      Variables are local in both called and calling files

d.      None of above

14) To work with remote files in PHP you need to enable

a.      allow_url_fopen

b.      allow_remote_files

c.      both of above

d.      none of above

15) In mail($param2, $param2, $param3, $param4), the $param2 contains:

a.      The message

b.      The recipient

c.      The header

d.      The subject

**16) Study following steps and determine the correct order**

(1)  Open a connection to MySql server

(2)  Execute the SQL query

(3)  Fetch the data from query

(4)  Select database

(5)  Close Connection

a. 1, 4, 2, 3, 5

b. 4, 1, 2, 3, 5

c. 1, 5, 4, 2, 1

d. 4, 1, 3, 2, 5

**17) When uploading a file if the UPLOAD_ERR-OK contains value 0 it means**

a.     Uplaod is not successful, error occurred

b.     The file uploaded with success

c.     Uploaded file size is 0

d.     File upload progress is 0% completed

**18) To produce the output6 I love the summer time, Which of the following statement should be used?**

a.     <? Php print ("<P> I love the summer time</p>";?>

b.     <? Php $ season="summer time"; print"<p> I love the $ season</p>"; ?>

c.     <?Php $ message="<p> I love the summer time </p>; ecdho $ message; ?>

d.     All of above

19)  Which of the following type specifier is invalid in print f ( ) functions

a.     % a
b.     % b
c.     % c
d.     % d

20) If a boolean variable $ alive= 5;

a.     $ alive is false
b.     $ alive is true
c.      $ alive is overflow
d.     the statement is snot valid

21) For integer data type PHP 6 introduced

a.     8 bit integer value
b.     16 bit integer value
c.     32 bit integer value
d.     64 bit integer value

22) Which of following are compound data type?

a.  Array

b.  Objects

c.  Both

d.  None

**23) Identify the invalid identifier**

a. my-function

b. size

c. –some word

d. This&that

**24) Trace the false statement**

a. Any code found within an included file will inherit the variable scope of the location of its caller

b. Because the included code will be embedded in a PHP execution block, the PHP execution block, the PHP escape tags (<?php?> aren't required on the file to be included

c. For the inclusion of remote files the allow-url-pope must be enabled ad URL wrapper must be supported

d. Including a file produces the same result as copying the data from the file specified into the location in which the statement appears.

**25) Which of the following functions require the allow-url-fopen must be enabled?**

a. include()

b. require()

c. both of above

d. None of above

**26) On failure of which statement the script execution stops displaying error/warning message?**

a.  include ()

b.  require ()

c.  both of above

d.  None of above

**27) Trace the function that does continue the script execution even if the file inclusion fails**

a.  include ()

b.  require ()

c.  both of above

d.  None of above

**28) Which function would you use to add an element to the beginning of an array?**

 a. array_shift()

 b. array_push();

 c. $array[0] = "value";

 d. array_unshift()

 e. array_pop();

**29) Which key will not be displayed from the following code block?**

```php
<?php

$array = array('a' => 'John',

        'b' => 'Coggeshall',

        'c' => array('d' => 'John',

                'e' => 'Smith'));

function display($item, $key) {

        print "$key => $item\n";

}

array_walk_recursive($array, "display");

?>
```

a. d
b. c
c. b
d. a
e. They all will be displayed

30) What is the result of the following code snippet?

```php
<?php
```

```php
$array = array('a' => 'John',

        'b' => 'Coggeshall',

        'c' => array('d' => 'John',

                'e' => 'Smith'));


function something($array) {

        extract($array);

        return $c['e'];

}


print something($array);

?>
```

 a. Smith
 b. A PHP Warning
 c. Coggeshall
 d. NULL
 e. Array

**31) What should go in the missing line ????? below to produce the output shown?**

```php
<?php

$array_one = array(1,2,3,4,5);
```

```php
$array_two = array('A', 'B', 'C', 'D', 'E');



???????



print_r($array_three);

?>

Result:



Array

(

    [5] => A

    [4] => B

    [3] => C

    [2] => D

    [1] => E

)
```

a. $array_three = array_merge(array_reverse($array_one), $array_two);
b. $array_three = array_combine($array_one, $array_two);
c. $array_three = array_combine(array_reverse($array_one), $array_two);
d. $array_three = array_merge($array_one, $array_two);
e. $array_three = array_reverse($array_one) + $array_two;

**32) Which of the following functions are used with the internal array pointer to accomplish an action?**

 a. key

 b. forward

 c. prev

 d. current

 e. next

**33) What is the output of the following code?**

```php
<?php

$string = "14302"

$string[$string[2]] = "4";

print $string;

?>
```

 a. 14304
 b. 14342
 c. 44302
 d. 14402
 e. Array

Choose 1 answer

**34)  Which function is best suited for removing markup tags from a string?**

   a.  strip_markup

b. strip_tags
c. str_replace
d. preg_replace
e. preg_strip


**35) Identify the best approach to compare to variables in a binary-safe fashion**

a. Both strcmp() and $a === $b
b. $a == $b
c. $a === $b
d. str_compare()
e. strstr()


**36) Consider the following script:**


```php
<?php

$oranges = 10;

$apples = 5;

$string = "I have %d apples and %d oranges";

???????

?>
```

What could be placed in place of ?????? to output the string:

I have 5 apples and 10 oranges

a. str_format($string, $apples, $oranges);
b. print($string, $apples, $oranges);
c. printf($string, $apples, $oranges);
d. print sprintf($apples, $oranges)

e. sprintf($string, $oranges, $apples);

**37) If you would like to change the session ID generation function, which of the following is the best approach for PHP 5?**

a. Set the session.hash_function INI configuration directive
b. Use the session_set_id_generator() function
c. Set the session id by force using the session_id() function
d. Use the session_regenerate_id() function
e. Implement a custom session handler

**38) Consider the following HTML fragement:**

<select name="?????" multiple>

<option value="1">Item #1</option>

<!-- ... more options ... -->

</select>

Which of the following name attributes should be used to capture all of the data from the user in PHP?

a. myselectbox=array()
b. myselectbox[]
c. myselectbox['multiple']
d. myselectbox{'multiple'}
e. myselectbox

**39) When uploading a file using HTTP, which variable can be used to locate the file on PHP's local filesystem?**

a. None of the above

b. $_FILES['fieldname']['tmp_name']
c. $_FILES['fieldname']
d. $_FILES['fieldname'][0]['filename']
e. $_FILES['fieldname']['filename']

**40) To force a user to redirect to a new URL from within a PHP 5 script, which of the following should be used?**

a. Send a HTTP "Location:" header
b. Use the HTML <redirect> Tag
c. Send a HTTP "Forward:" header
d. Use the redirect() function

**41) Setting a cookie on the client in PHP 5 can be best accomplished by:**

a. Use the add_cookie() function
b. Use the setcookie() function
c. Use the the apache_send_header() function
d. Setting a variable in the $_COOKIE superglobal

Choose 1 answer

**42) Where should indirectly executed PHP scripts (i.e. include files) be stored in the file system?**

a. Outside of the Document Root
b. In the document root
c. Anywhere you want
d. In the database

**43) When executing system commands from PHP, what should one do to keep applications secure?**

a. Remove all quote characters from variables used in a shell execution
b. Avoid using shell commands when PHP equivlents are available
c. Hard code all shell commands
d. Escape all shell arguments
e. Escape all shell commands executed

**Choose 3 answers**

**44) Why is it important from a security perspective to never display PHP error messages directly to the end user, yet always log them?**

a. Error messages will contain sensitive session information
b. Error messages can contain cross site scripting attacks
c. Security risks involved in logging are handled by PHP
d. Error messages give the perception of insecurity to the user
e. Error messages can contain data useful to a potential attacker

**45) The MVC pattern in Web development involves which of the following components?**

a. View
b. Controller
c. Validation
d. Model
e. Front Controller

**46) Which of the following aspects of the MVC pattern is used in conjunction with the database?**

a. Model
b. Schema
c. Validation

d.  Controller

e.  View

**47) Unlike a database such as MySQL, SQLite columns are not explicitly typed. Instead, SQLite catagorizes data into which of the following catagories?**

a.  textual

b.  unicode

c.  numeric

d.  binary

e.  constant

Choose 2 answers

**48) Which of the following SQL statements will improve SQLite write performance?**

a.  PRAGMA locking_mode = "Row";

b.  PRAGMA count_changes = Off;

c.  PRAGMA default_synchronous = Off;

d.  PRAGMA default_synchronous = On;

e.  PRAGMA locking_mode = "Table";

**49) Consider the following code snippet:**

```php
<?php

$link = mysqli_connect("hostname",

            "username",

            "password");
```

```php
if(!$link)

{

  $error = ??????

  die("Could not connect to the database: $error");

}



?>
```

What would go in place of the ???? above for this script to function properly?

    a. mysqli_connect_error();
    b. mysqli_connect_error($link);
    c. mysqli_error();
    d. $_MySQL['connect_error']
    e. mysqli_get_connect_error();

50) Consider the following code snippet:

```php
<?php

$query = "INSERT INTO mytable

        (myinteger, mydouble, myblob, myvarchar)

        VALUES (?, ?, ?, ?)";



$statement = mysqli_prepare($link, $query);
```

```php
if(!$statement)

{

  die(mysqli_error($link));

}


/* The variables being bound to by MySQLi

   don't need to exist prior to binding */

mysqli_bind_param($statement, "idbs",

  $myinteger, $mydouble, $myblob, $myvarchar);


/* ???????????? */


/* execute the query, using the variables as defined. */


if(!mysqli_execute($statement))

{

  die(mysqli_error($link));

}


?>
```

Assuming this snippet is a smaller part of a correctly written script, what actions must occur in place of the ????? in the above code snippet to insert a row with the following values: 10, 20.2, foo, string ?

a. A transaction must be begun and the variables must be assigned
b. Each value must be assigned prior to calling mysqli_bind_param(), and thus nothing should be done
c. Use mysqli_bind_value() to assign each of the values
d. Assign $myinteger, $mydouble, $myblob, $myvarchar the proper values

51) Consider the following code snippet:

```php
<?php

$query = "SELECT first,

        last,

        phone

    FROM contacts

    WHERE first LIKE 'John%'";

$statement = mysqli_prepare($link, $query);

mysqli_execute($statement);

/* ???? */
```

```php
while(($result = mysqli_stmt_fetch($statement)))

{

  print "Name: $first $last\n";

  print "Phone: $phone\n\n";

}

?>
```

Assuming this code snippet is part of a larger correct application, what must be done in place of the ???? above for the correct output to be displayed?

    a. None of the above
    b. mysqli_fetch_columns($first, $last, $phone);
    c. mysqli_stmt_bind_result($statement, $first, $last, $phone);
    d. A while loop, fetching the row and assigning $first, $last, and $phone the proper value

**52) Consider the following code segment:**

```php
<?php

$xmldata = <<< XML

<?xml version="1.0" encoding="ISO-8859-1" ?>

<!DOCTYPE html

    PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"

    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en"
lang="en">
```

```
  <head>

    <title>XML Example</title>

  </head>

  <body>

    <p>

      Moved to &lt;<a
href="http://example.org/">http://www.example.org/</a>.&gt;

      <br/>

    </p>

  </body>

</html>

XML;



$xml = xml_parser_create("UTF-8");



/* ??????? */



xml_parse($xml, $xmldata);



function xml_start_handler($xml, $tag, $attributes) {

        print "Tag: $tag<br/>\n";

}
```

```php
function xml_end_handler($xml, $tag) {


}


?>
```

What should be placed in place of ?????? above to have the above script display the name of each tag within the XML document?

  a. xml_set_callback("xml_start_handler");
  b. xml_set_element_handler($xml, "xml_start_handler", "xml_end_handler");
  c. xml_node_set_handler("xml_start_handler", "xml_end_handler");
  d. xml_node_set_handler("xml_start_handler");


53) What is the primary benefit of a SAX-based XML parser compared to DOM?

  a. All of the above
  b. Faster then DOM methods
  c. Requires less memory then DOM
  d. Easier to develop parsers


54) What does the following PHP script accomplish?


```php
<?php

    $dom = new DomDocument();

    $dom->load('test.xml');
```

```php
    $body = $dom->documentElement-
>getElementsByTagName('body')->item(0);

    echo $body->getAttributeNode('background')->value. "\n";

?>
```

    a. Displays the content of every &lt;body&gt; node
    b. Displays the "background" attribute for the first node in the XML document named "body"
    c. Displays the content of every node that has a "background" node
    d. Displays the "background" attribute of every node named "body"

**55) Creating new nodes in XML documents using PHP can be done using which XML/PHP 5 technologies?**

    a. XQuery
    b. XPath
    c. SimpleXML
    d. DOM
    e. SAX

**Choose 2 answers**

**56) Consider the following simple PHP script:**

```php
<?php

$dom = new DomDocument();

$dom->load('test.xml');

$xpath = new DomXPath($dom);
```

```php
$nodes = $xpath->query(???????, $dom->documentElement);

echo $nodes->item(0)->getAttributeNode('bgcolor')->value

  . "\n";

?>
```

What XPath query should go in the ?????? above to display the "bgcolor" attribute of the first "body" node in the XML document?

a. "*[local-name()='body']"
b. "/body[0]/text"
c. "/body/body[0]"
d. "name='body'"
e. "*[lname()='body']"

57) When writing portable database code using PDO, what is the PDO::ATTR_CASE attribute useful for?

a. None of the above
b. Ensuring that all columns are of a particular case when fetched
c. Adjusting the case of a query before it is processed for compatibility reasons
d. Controls the switch logic of how queries are processed
e. Allows you to adjust the memory cache (or "case") for increased performance

58) Consider the following PHP code segment, which attempts to execute a PDO query:

```php
<?php

try {
```

```
   $dbh->exec($sql);

} catch (PDOException $e) {

  // display warning message

  $info = $e->errorInfo;

}

?>
```

In the event of a PDOException, $info is set with the contents of the $errorInfo property of the exception. Which of the following are accurate descriptions of the contents?

    a. $info[1] is the database-specific error code
    b. $info[2] is the database-specific error message
    c. $info[1] is the unified error code
    d. $info[0] is the unified error code
    e. $info[0] Is the Database-specific error message

59) Which of the following functions allow you to introspect the call stack during execution of a PHP script?

    a. get_backtrace()
    b. get_function_stack()
    c. debug_backtrace()
    d. debug_print_backtrace()
    e. print_backtrace()

60) When working with a database, which of the following can be used to mitigate the possibility of exposing your database credientials to a malicious user?

    a. Moving all database credentials into a single file
    b. Moving all database credentials outside of the document root

  c. **Restricting access to files not designed to be executed independently**

  d. **Setting credital information as system environment variables**

  e. **Using PHP constants instead of variables to store credentials**

**Choose 3 answers**

**61) When running PHP in a shared host environment, what is the major security concern when it comes to session data?**

  a. **Sessions on shared hosts are easily hijacked by outside malicious users**

  b. **All of the above**

  c. **You cannot use a custom data store in shared hosts**

  d. **Session data stored in the file system can be read by other scripts on the same shared host**

  e. **Users outside the shared host can access any site which created a session for them**

**62) Which of the following functions is used to determine if a given stream is blocking or not?**

  a. **stream_get_blocking**

  b. **stream_get_meta_data**

  c. **stream_is_blocking**

  d. **stream_get_blocking_mode**

**63) When writing CLI scripts it is often useful to access the standard streams available to the operating system such as standard input/output and error. How does one access these streams in PHP 5?**

  a. **Use stdin(), stdout() and stderr() functions**

b. **PHP::STDIN, PHP::STDOUT, PHP::STDERR class constants in PHP 5**

c. **STDIN, STDOUT, and STDERR constants in PHP 5**

d. **use the php::stdin(), php::stdout(), and php::stderr() class methods**

**64) How can one take advantage of the time waiting for a lock during a stream access, to do other tasks using the following locking code as the base:**

a. **$retval = flock($fr, LOCK_EX);**
b. **Use flock_lazy() instead of flock()**
c. **Use LOCK_EX|LOCK_NB instead of LOCK_EX**
d. **Use LOCK_UN instead of LOCK_EX**
e. **Check the value of $retval to see if the lock was obtained**
f. **Check to see if $retval == LOCK_WAIT**

**65) What is the output of?**

**function apple($apples = 4)**

**{**

  **$apples = $apples / 2;**

   **return $apples;**

**}**

**$apples = 10;**

**apple($apples);**

**echo $apples;**

a. **2**
b. **4**
c. **5**

d. 10

66) When your error reporting level includes E_STRICT, what will the output of the following code be?

```php
<?php

function optionalParam($x = 1, $y = 5, $z)

{

  if ((!$z > 0))

  {

    $z = 1;

  }

  for($count = $x; $count < $y; $count+= $z)

  {

    echo "#";

  }

}

optionalParam(2,4,2);

?>
```

    a. ##
    b. Notice
    c. Warning
    d. Syntax Error
    e. #

**67) What is the output of the following?**

```php
<?php
function byRef(&$number)
{
  $number *= 10;
  return ($number - 5);
}
$number = 10;
$number = byRef($number);
echo $number;
?>
```

   a. 50
   b. 5
   c. 95
   d. 10
   e. 100

**68) What is the output of the following?**

```php
<?php
function byRef(&$apples)
{
```

```php
  $apples++;

}

$oranges = 5;

$apples = 5;

byRef($oranges);

echo "I have $apples apples and $oranges oranges";

?>
```

    a. I have 6 apples and 6 oranges
    b. I have 6 apples and 5 oranges
    c. I have 5 apples and 6 oranges
    d. I have 5 apples and 5 oranges

**69) The _____ constant in a CLI script is an automatically provided file resource representing standard input of the terminal.**

    a. STDIN
    b. __STDIN__
    c. STDIO
    d. PHP::STDIO
    e. STD_IN

**70) What should go in the ??????? assignment below to create a Zlib-compressed file foo.gz with a compression level of 9?**

```php
<?php

$file = '????????';
```

```
$fr = fopen($file, 'wb9');

fwrite($fr, $data);

fclose($fr);


?>
```

    a. gzip://foo.gz?level=9
    b. compress.zip://foo.gz?level=9
    c. compress.zlib://foo.gz
    d. compress.gzip://foo.gz?level=9
    e. zlib://foo.gz


**71) Which of the following is not a valid default stream wrapper for PHP 5, assuming OpenSSL is enabled?**

    a. ftps://
    b. ftp://
    c. sftp://
    d. https://
    e. http://


**72) When opening a file in writing mode using the FTP handler, what must be done so that the file will still be written to the server in the event it previously exists?**

    a. Provide a context for fopen() using stream_context_create()
    b. You must delete the file first before uploading a new file
    c. Configure this behavior in the php.ini file using the ftp.overwrite directive
    d. Open the file using the 'w+' mode

**73) The following is a common XML structure used in service oriented architectures, what does it represent?**

```xml
<?xml version="1.0"?>

<methodCall>

 <methodName>myMethod</methodName>

 <params>

  <param>

   <value><string>HI!</string></value>

  </param>

 </params>

</methodCall>
```

    a. None of the above
    b. A fragment of a complete SOAP request
    c. XML-RPC
    d. REST
    e. SOAP

**74) Which of the following functions are part of PHP's internal Iterator interface?**

    a. rewind()
    b. valid()
    c. next()
    d. key()
    e. current()

**75) Consider the following script:**

```php
<?php

$dom = new DOMDOcument();

$dom->load("myxmlfile.xml");


foreach($dom->documentElement->childNodes as $child)
{
  if(($child->nodeType == XML_ELEMENT_NODE) &&

    $child->nodeName == "item")

  {

    foreach($child->childNodes as $item)

    {

    if(($item->nodeType == XML_ELEMENT_NODE) &&

      ($item->nodeName == "title"))

    {

      print "$item->firstChild->data\n";

    }

    }

  }
}
?>
```

Assuming the referenced XML document exists and matches the parsing logic, what should be displayed when this script is executed?

    a. None of the above
    b. The XML of each 'title' node
    c. The XML of each 'item' node
    d. "Title" for every title node in the document
    e. The contents of every 'title' node which exists under an 'item' node

76) Which of the following methods are used to fetch data from a PDO Statement?

    a. fetchColumn()
    b. fetchObject()
    c. fetch()
    d. fetchClass()
    e. fetchRow()

77) In a general sense, which is more important: performance or maintainability of an application?

    a. performance first, maintainability second
    b. Maintainability first, performance second
    c. Maintainability
    d. Performance

78) Implementing your own PDO class requires which steps from the list below?

    a. Extending the PDOStatement Class
    b. Set the PDO::ATTR_STATEMENT_CLASS parameter
    c. Call the PDO::setStatementClass() method
    d. Extend the PDO class
    e. Set the PDO::ATTR_USE_CLASS paramater

**79) When embedding PHP into XML documents, what must you ensure is true in order for things to function properly?**

    a. Disabling of the short_tags PHP.ini directive
    b. Enabling the asp_tags PHP.ini directive
    c. That you have XPath support enabled in PHP 5
    d. That your XML documents are well-formed
    e. None of the above, PHP can be embedded in XML in all cases.

**79) What XML technology is used when you mix two different document types in a single XML document?**

    a. Validators
    b. DTD
    c. Transformations
    d. Namespaces

**80) Consider the following example XML document:**

```
<?xml version="1.0" encoding="ISO-8859-1" ?>

<!DOCTYPE html

 PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"

 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en"
lang="en">

 <head>

  <title>XML Example</title>
```

```
</head>

<body>

<p>

Moved to <<a
href="http://example.org/">http://www.example.org/</a>.>

<br>

</p>

</body>

</html>
```

**What is wrong with this document, and how can it be corrected?**

    a. The document is completely valid
    b. All special XML characters must be represented as entities within the content of a node
    c. All tags must be closed
    d. You cannot specify a namespace for the <html> attribute
    e. The DOCTYPE declaration is malformed

**81) Event-based XML parsing is an example of which parsing model?**

    a. SAX
    b. DOM
    c. XML Object Mapping
    d. XPath
    e. XQuery

**82) Consider the following code block:**

```php
<?php

function &myFunction() {

  $string = "MyString";

  var_dump($string);



  return ($undefined);

}



for($i = 0; $i < 10; $i++) {

  $retval = myFunction();

}

?>
```

This code block's behavior has changed between PHP 4 and PHP 5. Why?

   a. None of the above
   b. This could would cause an automatic segmentation fault in PHP 4
   c. This code would throw a syntax error in PHP 4
   d. Returning an undefined variable by reference in PHP 4 would cause eventual memory corruption
   e. You could not return undefined variables by reference in PHP 4

83) When migrating the following code from PHP 4 to PHP 5, what should be changed?

```php
<?php

class MyClass {

        function MyClass($param) {

                /* Do something with $param */

                $this->_doSomething($param);

        }


        // Private method to MyClass

        function _doSomething($param) {

                /* Do something with $param */

        }
}


class AnotherClass extends MyClass {

        var $param = "foo";


        function AnotherClass() {

                parent::MyClass($this->param);

        }
```

}


        ?>

  a. **Access modifiers should be added to methods**
  b. **The Constructors for the objects should both be renamed to
     __construct**
  c. **The use of the parent keyword has changed to 'super'**
  d. **Constructors must have the same parameter lists**



**84) Assuming every method call below returns an instance of an
object, how can the following be re-written in PHP 5?**



**<?php**



**$a = new MyClass();**

**$b = $a->getInstance();**

**$c = $b->doSomething();**



**?>**

 **$c = ((MyClass)$a->getInstance())->doSomething();**

 **This cannot be re-written in PHP 5**

  a. **$c = $a->getInstance()->doSomething();**
  b. **$c = (MyClass)$a->getInstance();**
  c. **$c = (new MyClass())->getInstance()->doSomething();**

**Choose 1 answer**

**85) How can the following code be re-written from PHP 4 to PHP 5?**

```php
<?php

if(get_class($myObj) == "MyClass") {

        // Do something

}

?>
```

    a. if(get_class($myObj) === "MyObject)
    b. if(strtolower(get_class($myObj)) == "MyClass")
    c. if($myObj implements MyClass)
    d. if($myObj instanceof Object)
    e. if($myObj instanceof MyClass)

**86) Is this code valid only in PHP 4, in PHP 5, or both?**

```php
<?php

function myfunction(&$myvalue = null) {

   /* ... */

}
```

```
?>
```

   a. Both
   b. PHP 5
   c. PHP 4

**87) When is it acceptable to store sensitive information in an HTTP cookie?**

   a. Only under extremely controlled situations
   b. When the cookie is sent over a secure HTTP request
   c. When it is encrypted
   d. It is always acceptable

Choose 1 answer

**88) Removing undesired markup tags from input can best be done using which function?**

   a. strip_tags()
   b. tidy_strip_html()
   c. str_replace()
   d. strip_html()

**89) Consider the following PHP string representing an SQL statement:**

$query = "UPDATE users SET password='$password' WHERE username='$username'";

Which of the following values for $username or $password would change the behavior of this query when executed?

   a. None of the above

b. $username = "foobar\' WHERE username='admin'";
c. $password = "foobar' WHERE username='admin' --:";
d. $password = "\"foobar\" WHERE username=\"admin\"";


## 90) SQL Injections can be best prevented using which of the following database technologies?

a. All of the above
b. Prepared Statements
c. Persistent Connections
d. Unbuffered Queries
e. Query escaping


## 91) Which PCRE regular expression will match the string PhP5-rocks?

a. /^[hp1-5]*\-.*/i
b. /[hp1-5]*\-.?/
c. /[hp][1-5]*\-.*/
d. /[PhP]{3}[1-5]{2,3}\-.*$/
e. /[a-z1-5\-]*/


## 92) If regular expressions must be used, in general which type of regular expression functions available to PHP is preferred for performance reasons?

a. strtok() using regular expressions
b. preg_* regular expression functions
c. parse_str() using regular expressions
d. strregex* regular expression functions
e. ereg* regular expression functions


## 93) To destroy one variable within a PHP session you should use which method in PHP 5?

a. Unset the variable in $HTTP_SESSION_VARS
b. Use the session_destroy() function
c. Use the session_unset() function
d. unset the variable in $_SESSION using unset()
e. Any of the above are acceptable in PHP 5

**94) If you would like to store your session in the database, you would do which of the following?**

a. It requires a custom PHP extension to change the session handler
b. Implement the session_set_save_handler() function
c. Create functions for each session handling step and use session_set_save_handler() to override PHP's internal settings
d. Configure the session.save_handler INI directive to your session class

**95) To destroy a PHP session completely, one must which of the following?**

a. Regenerate the session ID using session_regenerate_id()
b. If cookies are used, destroy it
c. Use session_demolish() to completely destroy the session
d. Change the session name using session_name()
e. Destroy the session data using session_destroy()

**96) Given the two values below, which of the following possiblities will print 10 foos20 bars?**

**<?php**

```php
$var1 = "10 foos";

$var2 = "20 bars";



print ???????;



?>
```

    a. None of the above
    b. implode("", array($var1,$var2));
    c. $var1 . $var2
    d. $var1 + $var2
    e. All of the above

**97) Given the string:**

```php
$var = "john@php.net";
```

**Which of the following will extract the TLD (top level domain) of ".net" from the string?**

    a. strstr($var, strpos($var, "."));
    b. substr($var, strpos($var, "@"));
    c. substr($var, strstr($var, "."));
    d. substr($var, strpos($var, ".") + 1);
    e. substr($var, strpos($var, "."));

**98) When comparing two strings, which of the following is acceptable?**

    a. $a === $b;
    b. strcasecmp($a, $b);
    c. strcmp($a, $b);
    d. $a == $b;

e.  str_compare($a,$b);

99) A fingerprint of a string can be determined using which of the following?

    a.  md5()
    b.  hash()
    c.  fingerprint()
    d.  None of the above

100) Which of the following is the best way to split a string on the "-=-" pattern?

    a.  They all are equally proper methods
    b.  str_split($string, strpos($string, "-=-"))
    c.  preg_split("-=-", $string);
    d.  explode("-=-" $string);

Choose 1 answer

101) Which from the following list is not an approrpiate use of an array?

    a.  As a list
    b.  All of these uses are valid
    c.  As a Lookup Table
    d.  A Stack
    e.  As a hash table

102) What is the output of this code snippet?

```php
<?php
```

```php
$a = array(0.001 => 'b', .1 => 'c');



print_r($a);



?>
```

   a. An empty array
0.01   => 'b', .1 => c
   b. 0 => 'c'
   c. '0.001' => 'b', '0.1' => c'
   d. A Syntax Error



**103) Which of the following functions could be used to break a string into an array?**

   a. array_split()
   b. split()
   c. string_split()
   d. preg_match_all()
   e. explode()



**104) If you wanted a variable containing the letters A through Z, that allowed you to access each letter independently, which of the following approaches could you use?**

   a. $str = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";
   b. range('A', 'Z');
   c. explode("", "ABCDEFGHIJKLMNOPQRSTUVWXYZ");
   d. You would use the ALPHA_ARRAY constant
   e. None of the above

**105) What is the output of the following code block?**

```php
<?php

$array = array(1 => 0, 2, 3, 4);

array_splice($array, 3, count($array), array_merge(array('x'),
array_slice($array, 3)));

print_r($array);

?>
```

 a. 1 => 1, 2 => 2, 3 => x, 4=> 4
 b. 0 => 1, 2 => 2, 3 => 3, 4 => 4, x => 3
 c. 0 => 0, 1=> 2, 2 => 3, 3 => x, 4 => 4
 d. 0 => x, 1 => 0, 2 => 1, 3=> 2, 4=>3
 e. 1 => 1, 3 => x, 2 => 2, 4 => 4

**106) When an object is serialized, which method will be called, automatically, providing your object with an opportunity to close any resources or otherwise prepare to be serialized?**

 a. __destroy()
 b. __serialize()
 c. __destruct()
 d. __shutdown()
 e. __sleep()

**107) What is the output of the following code?**

```php
<?php

class MyException extends Exception {}
class AnotherException extends MyException {}

class Foo {
  public function something() {
    throw new AnotherException();
  }
  public function somethingElse() {
    throw new MyException();
  }
}

$a = new Foo();

try {
  try {
    $a->something();
  } catch(AnotherException $e) {
```

```
    $a->somethingElse();

  } catch(MyException $e) {

    print "Caught Exception";

  }

} catch(Exception $e) {

  print "Didn't catch the Exception!";

}


?>
```

  a. "Caught Exception" followed by "Didn't catch the Exception!"
  b. A fatal error for an uncaught exception
  c. "Didn't catch the Exception!"
  d. "Didn't catch the Exception!" followed by a fatal error
  e. "Caught Exception"




**108) Which two internal PHP interfaces provide functionality which allow you to treat an object like an array?**

  a. iteration
  b. arrayaccess
  c. objectarray
  d. iterator
  e. array




**109) Which php.ini directive should be disabled to prevent the execution of a remote PHP script via an include or require construct?**

  You cannot disable remote PHP script execution

a. curl.enabled
b. allow_remote_url
c. allow_url_fopen
d. allow_require

**110) When attempting to prevent a cross-site scripting attack, which of the following is most important?**

a. Not writing Javascript on the fly using PHP
b. Filtering Output used in form data
c. Filtering Output used in database transactions
d. Writing careful Javascript
e. Filtering all input

**111) For an arbitrary string $mystring, which of the following checks will correctly determine if the string PHP exists within it?**

a. if(strpos($mystring, "PHP") !== false)
b. if(!strpos($mystring,"PHP"))
c. if(strpos($mystring, "PHP") === true)
d. if(strloc($mystring, "PHP") == true)
e. if(strloc($mystring, "PHP") === false)

**112) What are the values of $a in $obj_one and $obj_two when this script is executed?**

```php
<?php

class myClass {

  private $a;
```

```php
    public function __construct() {

      $this->a = 10;

    }


    public function printValue() {

      print "The Value is: {$this->a}\n";

    }


    public function changeValue($val, $obj = null) {

      if(is_null($obj)) {

        $this->a = $val;

      } else {

        $obj->a = $val;

      }

    }


    public function getValue() {

      return $this->a;

    }

}


$obj_one = new myClass();
```

```php
$obj_two = new myClass();



$obj_one->changeValue(20, $obj_two);

$obj_two->changeValue($obj_two->getValue(), $obj_one);



$obj_two->printValue();

$obj_one->printValue();



?>
```

a. 10,20
b. You cannot modify private member variables of a different class
c. 20,20
d. 10,10
e. 20,10


113) What are the three access modifiers that you can use in PHP objects?

a. protected
b. public
c. static
d. private
e. final


114) When checking to see if two variables contain the same instance of an object, which of the following comparisons should be used?

a. if($obj1->equals($obj2) && ($obj1 instanceof $obj2))
b. if($obj1->equals($obj2))
c. if($obj1 === $obj2)
d. if($obj1 instanceof $obj2)
e. if($obj1 == $obj2)

**Choose 1 answer**

**115) In PHP 5 you can use the _____ operator to ensure that an object is of a particular type. You can also use _____ in the function declaration.**

a. instanceof, is_a
b. instanceof, type-hinting
c. type, instanceof
d. ===, type-hinting
e. ===, is_a

**116) Which of the following are valid PHP variables?**

a. @$foo
b. &$variable
c. ${0x0}
d. $variable
e. $0x0

**117) What is the best way to iterate and modify every element of an array using PHP 5?**

a. You cannot modify an array during iteration
b. for($i = 0; $i < count($array); $i++) { /* ... */ }
c. foreach($array as $key => &$val) { /* ... */ }
d. foreach($array as $key => $val) { /* ... */ }
e. while(list($key, $val) = each($array)) { /* ... */

**118) What is the output of the following PHP code?**

```php
<?php

define('FOO', 10);

$array = array(10 => FOO,

        "FOO" => 20);

print $array[$array[FOO]] * $array["FOO"];

?>
```

  a. FOO
  b. 100
  c. 200
  d. 20
  e. 10

**119) What is the output of the following PHP script?**

```php
<?php

$a = 1;

$b = 2.5;
```

```php
$c = 0xFF;



$d = $b + $c;

$e = $d * $b;

$f = ($d + $e) % $a;



print ($f + $e);



?>
```

a. 643.75
b. 432
c. 643
d. 257
e. 432.75


**120) What combination of boolean values for $a, $b, $c, and $d will result in the variable $number being equal to 3?**

```php
<?php



$a = null;

$b = null;

$c = null;

$d = null;
```

```php
if($a && !$b) {

  if(!!$c && !$d) {

    if($d && ($a || $c)) {

      if(!$d && $b) {

        $number = 1;

      } else {

        $number = 2;

      }

    } else {

      $number = 3;

    }

  } else {

    $number = 4;

  }

} else {

  $number = 5;

}
?>
```

a. false, true, true, true
b. true, false, true, false
c. true, true, false, false
d. false, true, true, false
e. false, false, true, false

**121) What is the output of the following code?**

```php
<?php

$string = "111221";

for($i = 0; $i < strlen($string); $i++) {

        $current = $string[$i];

        $count = 1;

        while(isset($string[$i + $count]) && ($string[$i + $count] == $current)) $count++;

        $newstring .= "$count{$current}";

        $i += $count-1;
}

print $newstring;
?>
```

a. 312211
b. 3312212
c. 11221221
d. 221131
e. 3211122

122) What is the best way to ensure that a user-defined function is always passed an object as its single parameter?

a. function myfunction(stdClass $a)
b. function myfunciton($a = stdClass)
c. Use is_object() within the function
d. There is no way to ensure the parameter will be an object
e. function myfunction(Object $a)

123) What does the following function do, when passed two integer values for $p and $q?

```php
<?php

function magic($p, $q) {

  return ($q == 0)

    ? $p

    : magic($q, $p % $q);

}

?>
```

a. Loops infinitely
b. Switches the values of $p and $q
c. Determines if they are both even or odd
d. Determines the greatest common divisor between them

e. Calculates the modulus between the two

124) The _____ operator is used to test if two values are identical in every way.

a. !==
b. instanceof
c. =
d. ==
e. ===

125) What is wrong with the following code?

```php
<?php

function duplicate($obj) {

        $newObj = $obj;

        return $newObj;

}

$a = new MyClass();

$a_copy = duplicate($a);

$a->setValue(10);
```

```
$a_copy->setValue(20);
```

?>

a. You must use return &$newObj instead
b. There is nothing wrong with this code
c. duplicate() must accept its parameter by reference
d. You must use the clone operator to make a copy of an object
e. duplicate() must return a reference

126) How can you modify the copy of an object during a clone operation?

a. Put the logic in the object's constructor to alter the values
b. Implment your own function to do object copying
c. Implement the object's __clone() method
d. Implement __get() and __set() methods with the correct logic
e. Implement the __copy() method with the correct logic

127) What is the primary difference between a method declared as static and a normal method?

a. Static methods can only be called using the :: syntax and never from an instance
b. Static methods do not provide a reference to $this
c. Static methods cannot be called from within class instances
d. Static methods don't have access to the self keyword
e. There is no functional difference between a static and non-static method

128) What is the output of the following script?

```php
<?php



class ClassOne {

  protected $a = 10;



  public function changeValue($b) {

    $this->a = $b;

  }

}



class ClassTwo extends ClassOne {



  protected $b = 10;



  public function changeValue($b) {

    $this->b = 10;

    parent::changeValue($this->a + $this->b);

  }



  public function displayValues() {

    print "a: {$this->a}, b: {$this->b}\n";

  }
```

```
    }



    $obj = new ClassTwo();



    $obj->changeValue(20);

    $obj->changeValue(10);



    $obj->displayValues();



?>
```

 a. a: 30, b: 30
 b. a: 30, b: 20
 c. a: 30, b: 10
 d. a: 20, b: 20
 e. a: 10, b: 10



129) The _____ keyword is used to indicate an incomplete class or method, which must be further extended and/or implemented in order to be used.

 a. final
 b. protected
 c. incomplete
 d. abstract
 e. implements



130) Which of the following php.ini directives should be disabled to improve the outward security of your application?

a. safe_mode
b. magic_quotes_gpc
c. register_globals
d. display_errors
e. allow_url_fopen

**131) Which of the following list of potential data sources should be considered trusted?**

a. None of the above
b. $_ENV
c. $_GET
d. $_COOKIE
e. $_SERVER

**132) What is the best way to ensure the distinction between filtered / trusted and unfiltered / untrusted data?**

a. None of the above
b. Never trust any data from the user
c. Enable built-in security features such as magic_quotes_gpc and safe_mode
d. Always filter all incoming data
e. Use PHP 5's tainted mode

**133) Consider the following code:**

```php
<?php

session_start();



if(!empty($_REQUEST['id'])
```

```php
        && !empty($_REQUEST['quantity'])) {

  $id = scrub_id($_REQUEST['id']);

  $quantity = scrub_quantity($_REQUEST['quantity'])

  $_SESSION['cart'][] = array('id' => $id,

                  'quantity' => $quantity)

}



/* .... */



?>
```

**What potential security hole would this code snippet produce?**

  a. **Cross-Site Scripting Attack**
  b. **There is no security hole in this code**
  c. **Code Injection**
  d. **SQL Injection**
  e. **Cross-Site Request Forgery**

**134) What is the best measure one can take to prevent a cross-site request forgery?**

  a. **Disallow requests from outside hosts**
  b. **Add a secret token to all form submissions**
  c. **Turn off allow_url_fopen in php.ini**
  d. **Filter all output**
  e. **Filter all input**

**135) Given the following array:**

$array = array(1,1,2,3,4,4,5,6,6,6,6,3,2,2,2);

The fastest way to determine the total number a particular value appears in the array is to use which function?

a. array_total_values
b. array_count_values
c. A foreach loop
d. count
e. a for loop

136) The ____ construct is particularly useful to assign your own variable names to values within an array.

a. array_get_variables
b. current
c. each
d. import_variables
e. list

137) he following code snippet displays what for the resultant array?

```php
<?php



$a = array(1 => 0, 3 => 2, 4 => 6);

$b = array(3 => 1, 4 => 3, 6 => 4);



print_r(array_intersect($a, $b));

?>
```

a. 1 => 0

b. 1 => 3, 3 => 1, 4 => 3

c. 3 => 1, 3=> 2, 4 => 3, 4=> 6

d.1 => 0, 3 => 2, 4 => 6

e. An empty Array

## 138) Which of the following are not valid ways to embed a variable into a string?

a. `$a = "Value: $value->getValue()";`
b. `$a = "Value: {$value}";`
c. `$a = 'Value: $value';`
d. `$a = "Value: $value";`
e. `$a = "Value: {$value['val']}";`

## 139) What variable reference would go in the spots indcated by ????? in the code segment below?

```php
<?php

$msg = "The Quick Brown Foxed Jumped Over the Lazy Dog";

$state = true;

$retval = "";

for($i = 0; (isset(?????)); $i++) {

        if($state) {
```

```php
            $retval .= strtolower(?????);

        } else {

            $retval .= strtoupper(?????);

        }


        $state = !$state;

}


print $retval;


?>
```

a. $msg{$i}
b. ord($msg);
c. chr($msg);
d. substr($msg, $i, 2);


140) Consider the following script:


```php
<?php


$string = "<b>I like 'PHP' & I think it is \"cool\"</b>";


var_dump(htmlentities($string, ENT_QUOTES));
```

```
var_dump(print htmlspecialchars($string));
```

```
?>
```

    a. In this script, do the two var_dump() calls produce the same string? Why or Why Not?

    b. No, the htmlentities() call will translate quotes while the htmlspecialchars() call will not

    c. No, htmlentites() translates < and > symbols to their HTML entity equivalents while htmlspecialchars() only does quotes

    d. No, the htmlentites() call won't translate quotes to HTML entities while the htmlspecialchars() call will

    e. Yes, htmlspecialchars() and htmlentities() with the ENT_QUOTES constants produce the same result

**141) Consider the following String:**

```
$string = "John\tMark\nTed\tLarry";
```

**Which of the following functions would best parse the string above by the tab (\t) and newline (\n) characters?**

    a. strsplit($string, "\t\n");

    b. strtok($string, "\t\n");

    c. strstr($string, "\t\n");

    d. explode("\t\n", $string);

    e. All of the above

**142) Which functions would be needed to translate the following string:**

I love PHP 5

**to the following?**

5 PHP EVOL I

a. mirror()
b. strtoupper()
c. toupper()
d. str_reverse()
e. strrev()

**143) What is the best approach for converting this string:**

$string = "a=10&b[]=20&c=30&d=40+50";

**Into this array?**

array(4) {

 ["a"]=>

 string(2) "10"

 ["b"]=>

 array(1) {

  [0]=>

  string(2) "20"

 }

 ["c"]=>

 string(2) "30"

 ["d"]=>

 string(5) "40 50"

}

a. Write a parser completely by hand, it's the only way to make sure it's 100% accurate
b. Use the parse_str() function to translate it to an array()
c. Pass the variable to another PHP script via an HTTP GET request and return the array as a serialized variable
d. Just call unserialize() to translate it to an array()
e. Write a string parser using strtok() and unserialize() to convert it to an array

144) Which string does the following PCRE regular expression match?

$regex = "/^([a-z]{5})[1-5]+([a-z]+)/";

a. None of the above
b. Hello34262343goodbye
c. frank12345abc
d. hello34212343goodbye
e. abcdefghi12345abc

145) Setting a HTTP cookie on the client which is not URL-encoded is done how in PHP 5?

a. Use the setrawcookie() function
b. Set the cookies.urlencode INI directive to false
c. Use urldecode() on the return value of setcookie()
d. Setting the $no_encode parameter of setcookie() to a boolean 'true'
e. All cookies must be URL encoded

146) During an HTTP authentication, how does one determine the username and password provided by the browser?

a. Parse the HTTP headers manually using http_get_headers()
b. Use the get_http_username() and get_http_password() functions

    c. Use the $_SERVER['HTTP_USER'] and
       $_SERVER['HTTP_PASSWORD'] variables

    d. Use the $_SERVER['PHP_AUTH_USER'] and
       $_SERVER['PHP_AUTH_PW'] variables

    e. Parse the $_SERVER['REQUEST_URI'] variable

**147) Consider the following function:**

```php
<?php
function redirect($url) {

  // Check to make sure we haven't already sent

  // the header:


  if(???????) {

    header("Location: $url");

  }
}


?>
```

**What conditional should replace the ????? above?**

    a. !in_array("Location: $url", headers_list())
    b. !header_exists("Location: $url")
    c. !header_location($url)
    d. $_SERVER['HTTP_LOCATION'] != $url

**148) One can ensure that headers can always be sent from a PHP script by doing what?**

    a. Enable header buffering in PHP 5
    b. Set the header.force INI directive to true
    c. Enable output buffering in PHP 5
    d. There is no way to ensure that headers can always be set, they must always be checked
    e. None of the above


**149) What are the primary benefits of object oriented programming?**

    a. Maintainability
    b. Execution Speed
    c. Encapsulation
    d. Code Reuse


**150) Which of the following extensions are no longer part of PHP 5 and have been moved to PECL?**

    a. tidy
    b. mysql
    c. w32api
    d. curl
    e. dio

# <u>CONCLUSION</u>

Friends the answer codes and explanations will be available on demand, mail me at <u>snehil.kamal@gmail.com</u> to discuss any question or query about PHP. I am sorry for all mistakes and errors present in this book. Kindly mail me if you find any. Also I am planning to release my personal notes which I prepared during exam preparation, if any of you want its copy mail me at my ID mentioned above. Be confident and prepare well for the battle. My best wishes are with you. Thank you