

## Zend PHP 5 Certification Practice Test

**1. Unlike a database such as MySQL, SQLite columns are not explicitly typed. Instead, SQLite categorizes data into which of the following categories?**

**2. 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

**3. Name three new extensions in PHP5 (choose 3)**

- a) tidy
- b) soap
- c) java
- d) curl
- e) mysqli

**4. 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

**5. 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\-.]\*/

**6. Which of the following are examples of the new engine executor models available in PHP 5? (choose 3)**

- a) Switch
- b) Conditional
- c) Goto
- d) Call
- e) Dynamic

**7. 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

**8. Event-based XML parsing is an example of which parsing model?**

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

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

**10. What is wrong with the following code snippet? Assume default configuration value apply?**

```
<?php
$fp = fsockopen('www.php.net', 80);
fwrite($fp, "GET / HTTP/1.0\r\nHost: www.php.net\r\n");
$data = fread($fp, 8192);
?>
```

- a) The request is blocking and may cause fread() to hang
- b) The HTTP request is malformed
- c) The script should be rewritten using fgets() instead of fread()
- d) The request is non-blocking and fread() may miss the response
- e) You cannot use fwrite() with fsockopen()

**11. 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) stregex\* regular expression functions
- e) ereg\* regular expression functions

**12. 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

13.

```
<?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);`

14.

```
<?php
```

```
    $dom = new DomDocument();
```

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

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

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

```
?>
```

a) Displays the content of every `<body>` 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"

**15. 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

**16. What is the output of the following?**

<?php

```
$a = 010;  
$b = 0xA;  
$c = 2;
```

```
print $a + $b + $c;
```

?>

- a) 20
- b) 22
- c) 18
- d) \$a is an invalid value
- e) 2

**17. Consider the following simple PHP script:**

<?php

```
$dom = new DomDocument();  
$dom->load('test.xml');  
$xpath = new DomXPath($dom);  
$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?

Answer...

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

18. The \_\_\_\_\_ function is used to add up the values of every entry within an array

19. 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";

20. What variable reference would go in the spots indicated by ????? in the code segment below?

```
<?php
```

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

```
$state = true;
```

```
$retval = "";
```

```
for($i = 0; (isset(?????)); $i++) {  
    if($state) {  
        $retval .= strtolower(?????);  
    } else {  
        $retval .= strtoupper(?????);  
    }  
}
```

```
    $state = !$state;
```

```
}
```

```
print $retval;
```

```
?>
```

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

21. What would you replace ??????? with, below, to make the string Hello, World! be displayed?

```
<?php
```

```
function myfunction() {  
    ???????  
    print $string;  
}
```

```
myfunction("Hello, World!");
```

?>

Answer...

- a) There is no way to do this
- b) \$string = \$argv[1];
- c) \$string = \$\_ARGV[0];
- d) list(\$string) = func\_get\_args();
- e) \$string = get\_function\_args()

**22. In the MVC pattern a request is dispatched to one or more controllers in a controller chain. This pattern is an example of which of the following design patterns?**

Answer...

- a) None of the above
- b) The MVC Pattern
- c) The Chain of Command/Responsibility Pattern
- d) The Dispatcher Pattern
- e) The Controller Pattern

**23. Which of the following is not a valid PDO DSN?**

Answer...

- a) All of the above are valid
- b) mysql:unix\_socket=/tmp/mysql.sock;dbname=testdb
- c) oci:dbname=//localhost:1521/mydb
- d) mysql:host=localhost;port=3307;dbname=testdb
- e) sqlite2:/opt/databases/mydb.sq2

**24. Which of the following comparisons will evaluate to true?**

Answers: (choose 3)

- a) 't' == t
- b) 1 === "1time"
- c) "top" == 0
- d) "top" === 0
- e) 1 == "1time"

**25. What is the output of the following code block?**

```
<?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);
```

```
?>
```

Answer...

- 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

**26. In databases that do not support the AUTO\_INCREMENT modifier, you must use a \_\_\_\_\_ instead to auto-generate a numeric incrementing key**

**27. What is the output of the following code block?**

```
<?php

$a = "The quick brown fox jumped over the lazy dog.";
$b = array_map("strtoupper", explode(" ", $a));

foreach($b as $value) {
    print "$value ";
}
?>
```

Answer...

- a) THE QUICK BROWN FOX JUMPED OVER THE LAZY DOG.
- b) A PHP Error
- c) The quick brown fox jumped over the lazy dog.
- d) Array Array Array Array Array Array Array Array
- e) the quick brown fox jumped over the lazy dog.

**28.**

```
<?php

function get_socket($host, $port) {
    $fr = fsockopen($host, $port);
    stream_set_blocking($fr, false);
    return $fr;
}

// Assume $host1, $host2, etc are defined properly
$write_map[] = array('fr' => get_socket($host1, $port1), 'data' => str_pad("", 500000, "A"));
$write_map[] = array('fr' => get_socket($host2, $port2), 'data' => str_pad("", 500000, "B"));
$write_map[] = array('fr' => get_socket($host3, $port3), 'data' => str_pad("", 500000, "C"));

do {
    $write_sockets = array();

    foreach($write_map as $data) {
        $write_sockets[] = $data['fr'];
    }
}
```

```
$num_returned = stream_select($r = null, $write_sockets, $e = null, 30);
```

```
if($num_returned) {  
  foreach($write_sockets as $fr) {  
    foreach($write_map as $index => $data) {  
      if($data['fr'] === $fr) {  
        $len = fwrite($fr, $data['buf']);  
  
        if($len) {  
          $data['buf'] = substr($data['buf'], $len);  
  
          if(empty($data['buf'])) {  
            fclose($data['fr']);  
            /* ?????????? */  
          }  
        }  
      }  
    }  
  }  
}
```

```
} while(count($write_map));
```

```
?>
```

What should go in the ???????? above for this script to function properly?

**29. Consider the following code:**

```
<?php  
header("Location: {$_GET['url']}");  
?>
```

Which of the following values of `$_GET['url']` would cause session fixation?

Answers: (choose 1)

- a) Session Fixation is not possible with this code snippet
- b) `http://www.zend.com/?PHPSESSID=123`
- c) `PHPSESSID%611243`
- d) `Set-Cookie%3A+PHPSESSID%611234`
- e) `http%3A%2F%2Fwww.zend.com%2F%0D%0ASet-Cookie%3A+PHPSESSID%611234`

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

Answers: (choose 4)

- a) `safe_mode`
- b) `magic_quotes_gpc`
- c) `register_globals`
- d) `display_errors`



e) allow\_url\_fopen

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

Answer...

- 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

**32. What is the output of the following code?**

```
<?php  
  
function byReference(&$variable = 5)  
{  
    echo ++$variable;  
}  
  
byReference();  
  
?>
```

Answer...

- a) No output or error. Variables can not be optional and passed by reference.
- b) 5
- c) 6

**33. When working with a database, which of the following can be used to mitigate the possibility of exposing your database credentials to a malicious user?**

Answers: (choose 3)

- 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 credential information as system environment variables
- e) Using PHP constants instead of variables to store credentials

**34. Consider the following script:**

```
<?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

Answers: (choose 2)

- 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);

**35. Consider the following code snippet:**

```
<?php

$link = mysqli_connect("hostname",
                      "username",
                      "password");

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?

Answer...

- a) mysqli\_connect\_error();
- b) mysqli\_connect\_error(\$link);
- c) mysqli\_error();
- d) \$\_MySQL['connect\_error']
- e) mysqli\_get\_connect\_error();

**36. To ensure that a given object has a particular set of methods, you must provide a method list in the form of an \_\_\_\_\_ and then attach it as part of your class using the \_\_\_\_\_ keyword.**

Answer...

- a) array, interface
- b) interface, implements
- c) interface, extends
- d) instance, implements
- e) access-list, instance

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

Answer...

- a) Validators
- b) DTD
- c) Transformations
- d) Namespaces

**38. The \_\_\_\_\_ function is used to modify the amount of time PHP will wait for a stream before timing out during reading or writing.**

**39. What is the result of the following code snippet?**

```
<?php
```

```
$array = array('a' => 'John',  
              'b' => 'Coggleshall',  
              'c' => array('d' => 'John',  
                          'e' => 'Smith'));
```

```
function something($array) {  
    extract($array);  
    return $c['e'];  
}
```

```
print something($array);
```

```
?>
```

Answer...

- a) Smith
- b) A PHP Warning
- c) Coggleshall
- d) NULL
- e) Array

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

Answer...

- 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

**41. Which key will not be displayed from the following code block?**

```
<?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");

?>
```

Answer...

- a) d
- b) c
- c) b
- d) a
- e) They all will be displayed

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

```
<?php

$file = '?????????';
$fr = fopen($file, 'wb9');
fwrite($fr, $data);
fclose($fr);

?>
```

Answer...

- 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

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

Answer...

- a) None of the above
- b) \$\_FILES['fieldname']['tmp\_name']
- c) \$\_FILES['fieldname']

- d) \$\_FILES['fieldname'][0]['filename']
- e) \$\_FILES['fieldname']['filename']

**44. What kind of information is acquired when profiling a PHP script?**

Answers: (choose 2)

- a) A list of all of the op-codes executed by the engine
- b) The files and functions and/or parameters which were executed during the PHP script
- c) The execution times of files and functions during the PHP script
- d) A list of all the variables used in a PHP script
- e) A list of errors which have occurred

**45. Consider the following script:**

```
<?php

try {
    $dbh = new PDO("sqlite::memory:");
} catch(PDOException $e) {
    print $e->getMessage();
}

$dbh->query("CREATE TABLE foo(id INT)");
$stmt = $dbh->prepare("INSERT INTO foo VALUES(:value)");
$value = null;
$data = array(1,2,3,4,5);
$stmt->bindParam(":value", $value);

/* ??????? */

try {
    foreach($data as $value) {
        /* ?????? */
    }
} catch(PDOException $e) {
    /* ?????????? */
}

/* ??????? */

?>
```

What lines of code need to go into the missing places above in order for this script to function properly and insert the data into the database safely?

Answers: (choose 4)

- a) \$dbh->beginTransaction();
- b) \$dbh->commit();
- c) \$stmt->execute();
- d) \$dbh->rollback();
- e) \$dbh->query(\$stmt);

**46. The \_\_\_\_\_ keyword is used to block any overriding of a class/method by a subclass.**

Answer...

- a) static
- b) None of the above
- c) protected
- d) final
- e) private

**47. SimpleXML objects can be created from what types of data sources?**

Answers: (choose 3)

- a) A String
- b) An array
- c) A DomDocument object
- d) A URI
- e) A Database resource

**48. The \_\_\_\_\_ function is great for monitoring a series of streams to determine when one or more of them will not block a particular type of stream operation.**

**49. The \_\_\_\_\_ method in the PDOStatement class is used to return the next result set in a multi-query statement.**

**50. Given the following XML document in a SimpleXML object:**

```
<?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;
    </p>
  </body>
</html>
```

Select the proper statement below which will display the HREF attribute of the anchor tag.

Answer...

- a) `$sxe->body->p[0]->a[1]['href']`
- b) `$sxe->body->p->a->href`
- c) `$sxe->body->p->a['href']`

- d) `$sxe['body']['p'][0]['a']['href']`
- e) `$sxe->body->p[1]->a['href']`

**51. The \_\_\_\_\_ method can be used from a SimpleXML node to return an iterator containing a list of all of the current node's subnodes.**

**52. When working with simpleXML in php5, the four basic rules on how the xml document is accessed are which of the following (choose 4)**

- a) element namespaces are denoted by the 'namespace' attribute
- b) converting an element to a string denotes text data
- c) non-numeric indexes are element attributes
- d) numeric indexes are elements
- e) properties denote element iterators

**53. Validating form elements, or any situation where multiple algorithms can be implemented via a single interface, is an ideal candidate for the \_\_\_\_\_ design pattern.**

**54. Which of the following are not true about streams? (choose 2)**

- a) they are always seekable
- b) when used properly they significantly reduce memory consumption
- c) they can be applied to any data source
- d) they are always bi-directional
- e) they can be filtered

**55. The \_\_\_\_\_ pattern is extremely useful for creating objects which watch the state of other objects and respond to those change.**

**56. Which from the following list is not an appropriate use of an array? (choose 1)**

- a) as list
- b) all of these uses are valid
- c) as a lookup table
- d) a stack
- e) as a hash table

**57. The \_\_\_\_\_ interface implements a useful design pattern which allows you to overload an instance of an object so it can be accessed like an array.**

**58. When is it important to validate data coming from an html form.**

- a) only when the fields are required
- b) only when accepting file uploads
- c) everywhere, except cookies
- d) only when accepting forms using an input type of text or a textarea field
- e) none of the above

**59. The following is an example of what design pattern**

`<?php`

```
class myClassBuilder {
    public function build() {
        return new MyClass();
    }
}
```

?>

- a) none of the above
- b) builder
- c) factory
- d) singleton
- e) observer

**60. Which of the following is incorrect? (choose 4)**

- a) function c(myclass \$a = new myclass())
- b) function d(\$a = null)
- c) function e(&\$a = 30)
- d) function a(&\$a = array(10,20,30))
- e) function b(\$a = (10 + 2))

**61. Which of the following cases are cases when you should use transactions (choose 1)**

- a) updating a single row in a table
- b) inserting a new row into a single table
- c) performing a stored procedure
- d) selecting rows from multiple different tables
- e) updating a single row in multiple different tables

**62. the \_\_\_\_\_ pattern is useful for an object which can be traversed as a list implemented in PHP by an interface of the same name**

**63. Which of the following is an example of polymorphism?**

- a) all of the above
- b) classes that implement design patterns
- c) any class implementing an interface
- d) any class that extends from a parent class
- e) a generic super class with specific child class implementations

**64. The following could be better represented as what?**

<?php

```
If ($a == 0) {
} elseif ($a == 20) {
} elseif ($a == 30) {
```



```
}  
?>
```

- a) A switch statement without break statement
- b) A foreach statement
- c) A while statement
- d) A switch statement
- e) Multiple if statements

**65. 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

**66. What is the output of this code**

```
<?php  
$array = array(0.001 => 'b', .1 => 'c')  
print_r($array)  
?>
```

- a) An empty array
- b) 0.001 => 'b', .1 => 'c'
- c) 0 => 'c'
- d) '0.001' => 'b', '0.1' => 'c'
- e) A syntax error

**67. What is the output of the following script**

```
<?php  
  
$a = 1;  
$b = 2.5;  
$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

**68. One can determine if it is possible to send HTTP headers from within PHP script using which of the following function?**

- a) apache\_header\_enabled()
- b) is\_header\_enabled()
- c) is\_header\_sent()
- d) headers\_sent()
- e) headers\_enabled()

**69. Type-hinting and the instanceof keyword can be used to check what types of things about variables? (choose 3)**

- a) If a particular child class extends from it
- b) If they are instance of a particular interface
- c) If they are an abstract class
- d) If they have a particular parent class
- e) If they are instance of a particular class

**70. 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 PHP5
- d) That your XML documents are well formed
- e) None of the above, PHP can be embedded in XML in all cases

**71. The following is a common XML structure used in service oriented architectures what does it represent?**

```
<?xml vesion="1.0" ?>
<methodCall>
  <methonName>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
- c) SOAP

**72. The MVC pattern in web development involves which of the following components?**

Answer (Choose 4)

- a) view
- b) controller
- c) validation
- d) model
- e) front controller

**73. What is the output of the following?**

```
<?php  
  
function a($number)  
{  
    return (b($number) * $number);  
}  
  
function b(&number)  
{  
    ++$number;  
}  
  
echo a(5);  
  
?>
```

Answer

- a) 0
- b) 36
- c) 6
- d) 30
- e) 5

**74. PHP5 supports which of the following XML parsing method?**

Answer (Choose 4)

- a) SAX
- b) FastDOM
- c) DOM
- d) Xpath
- e) XML to object mapping

**75. Given the following array**

```
<?php  
  
$a = array(  
    1 => "red",  
    'green',  
    'blue',  
    'purple' => array(  
        'house' => 'dog',  
        'food' => 'meal',  
        'here' => 'gone',  
    )  
);
```

```

        'hello' => array(
            5 => 'goodbye',
            8 => 'something',
            'correct'
        )
    )
);

?>

```

Answer

- a) print \$a['purple'][4][3]
- b) print \$a['purple']['hello'][9]
- c) print \$a[2][4][3]
- d) print \$a[2][4][9]
- e) print \$a[4]['hello'][9]

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

Answer

- a) Outside of the document root
- b) In the document root
- c) Anywhere you want
- d) In the database

**77. What is the best approach to convert this string:  
\$string = "a=10&b[]=20&c=30&\$d=40+50"  
into this array?**

```

Array(4) {
    ["a"] =>
        string(2) "10"
    ["b"] => array(
        [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 into an array()
- c) Pass the variable to another PHP script via HTTP GET request and return the variable as serialized variable
- d) Just call unserialize() to translate it into an array().
- e) Write a string parser using strtok() and unserialize() to convert it to an array.

**78. Consider the following PHP string representing SQL statement:**

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

**Which are the following values for username and password the behaviour of this query when executed?**

Answer

- a) None of the above
- b) \$username = "foobar\` WHERE username = 'admin'";
- c) \$password = "foobar\` WHERE username = 'admin' --:";
- d) \$username = "foobar\` WHERE username = 'admin'";
- e) \$username = "\"foobar\" WHERE username = \"admin\"";

**79. What does the following function do, when passed two integer values \$p and \$q?**

```
<?php
```

```
function magic($p, $q)
{
    return ($q == 0)
        ? $p
        : magic($q, $p % $q);
}
```

```
?>
```

Answer

- a) Loops infinity
- b) Switches the value \$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

**80. Which function is best suited to removing mark up tags from a string?**

Answer

- a) strip\_markup()
- b) strip\_tags()
- c) str\_replace()
- d) preg\_replace()
- e) preg\_strip()

**81. Given the two values below, which of the following possibilities will print 10 foos20 bars?**

```
<?php
```

```
$var1 = "10 foos";
$var2 = "20 bars";
```

```
print ?????;
```

?>

Answer (Choose 2)

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

**82. During normal filesystem access, the \_\_\_\_\_ function is used to determine if the pointer has reached the end of the file**

Answer

- a) feof()
- b) flock();
- c) fclose();
- d) fend();
- e) None of the above

**83. When checking to see if two variable contains the same instance of an object which of the following comparison should be used?**

Answer

- 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)

**84. What is the output of the following code?**

```
<?php
```

```
function functionSplit()
```

```
{
```

```
    $pre = 1;
```

```
?>
```

```
<?php
```

```
    echo $pre;
```

```
}
```

```
functionSplit();
```

```
?>
```

Answer

- a) Error; function cannot be split over multiple segments
- b) Nothing
- c) 1
- d) 2

**85. Which of the following are not valid ways to embed a variable into a string?**

Answer (Choose 2)

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

**86. Consider the following code segment:**

```
<?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>Virtual Library</title>
  </head>
  <body>
    <p>Moved to <a href="http://example.org/">example.org</a>.</p>
  </body>
</html>
XML;
$xml = xml_parser_create("UTF-8");
???????
xml_parse($xml, $xmldata)
function xml_start_handler($xml, $tag, $attribute)
{
    print "Tag: $tag<br/>\n";
}

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?

Answer

- 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");

**87. Consider the following series of classes and interfaces**

```
<?php
interface MyInterface {
    public function getTitleAndAuthor();
}

class MyClass {
    private $_author;
    private $_title;

    public function getAuthor() {
        return $this->_author;
    }

    public function getTitle() {
        return $this->_title;
    }
}

class MyClass2 {
    private $_instance;

    public function __construct(MyClass $a) {
        $this->_instance = $a;
    }

    public function getTitleAndAuthor() {
        $retval = array(
            'title' => $this->_instance->getTitle(),
            'author' => $this->_instance->getAuthor()
        );

        return $retval;
    }
}

class MyClass3 {
    public function doSomething(MyInterface $instance) {
        $value = $instance->getTitleAndAuthor();
    }
}

?>
```

MyClass2 is an example of the \_\_\_\_\_ design pattern

**88. In a general sense, which is more important: performance or maintainability of an application**

Answer

a) Performance first, maintainability second



- b) Maintainability first, performance second
- c) Maintainability
- d) Performance

**89. The \_\_\_\_\_ construct is particularly useful to assign your own variable names to values with in an array.**

Answer

- a) array\_get\_variables
- b) current
- c) each
- d) import\_variables
- e) list

**90. What is the output of the following script**

```
<?php
class ClassOne {
    protected $a = 10;

    public function changeValue($b) {
        $this->a = $b;
    }
}

class ClassTwo {
    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();
?>
```

Answer

- 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
- e) None of the above