

## 200-710.exam

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**200-710**

**Zend Certified Engineer**



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## Exam A

### QUESTION 1

Consider the following two files. When you run test.php, what would the output look like?

test.php

```
include "MyString.php";  
print ",";  
print strlen("Hello world!");
```

MyString.php:

```
namespace MyFramework\String;  
function strlen($str)  
{  
    return \strlen($str)*2; //return double the string length  
}  
print strlen("Hello world!");
```



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- A. 12,12
- B. 12,24
- C. 24,12
- D. 24,24
- E. PHP Fatal error: Cannot redeclare strlen()

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 2

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What is the difference between the spaceship operator (<=>) and the strcmp() function?

- A. There is no difference in functionality
- B. strcmp() returns a Boolean value, the spaceship operator a number
- C. strcmp() does a case-intensive comparison, the spaceship operator does not
- D. The spaceship operator returns -1, 0 or 1; strcmp() may return any integer

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 3

What is the method used to execute XPath queries in the SimpleXML extension?

- A. xpathQuery()
- B. xpath()
- C. simpleXMLXPath()
- D. query()
- E. evaluate()

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 4

What function allows resizing of PHP's file write buffer?

- A. ob\_start()
- B. set\_write\_buffer()
- C. stream\_set\_write\_buffer()
- D. Change the output\_buffering INI setting via ini\_set() function

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 5**

You'd like to use the class `MyDBConnection` that's defined in the `MyGreatFramework\MyGreatDatabaseAbstractionLayer` namespace, but you want to minimize \*as much as possible\* the length of the class name you have to type. What would you do?

- A. Import the `MyGreatFramework` namespace
- B. Import the `MyGreatFramework\MyGreatDatabaseAbstractionLayer` namespace
- C. Alias `MyGreatFramework\MyGreatDatabaseAbstractionLayer\MyDBConnection` to a shorter name
- D. Alias `MyGreatFramework\MyGreatDatabaseAbstractionLayer` to a shorter name

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 6**

You want to parse a URL into its single parts. Which function do you choose?

- A. `parse_url()`
- B. `url_parse(0`
- C. `get_url_parts()`
- D. `geturlparts()`

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 7**

What is the output of the following code?

```
$text = 'This is text';

$text1 = <<<'TEXT'
$text
TEXT;

$text2 = <<<TEXT
$text1
TEXT;

echo "$text2";
```

- A. This is text
- B. \$text
- C. \$text1
- D. \$text2

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 8

What function can be used to retrieve an array of current options for a stream context?

- A. stream\_get\_options()
- B. stream\_context\_get\_default()
- C. stream\_context\_get\_options()
- D. The 'options' element of the stream\_get\_meta\_data() return value

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9**

Given the following array:

```
$a = array(28, 15, 77, 43);
```

Which function will remove the value 28 from \$a?

- A. array\_shift()
- B. array\_pop()
- C. array\_pull()
- D. array\_unshift()

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

When would you use classes and when would you use namespaces?

- A. Use classes to encapsulate code and represent objects, and namespaces to avoid symbol name collisions
- B. Use classes for performance-sensitive code, and namespaces when readability matters more
- C. Use namespaces for performance-sensitive code, and classes when readability matters more
- D. Always use them; namespaces as always superior to classes

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 11**

What is the output of this code?

```
$world = 'world';  
echo <<<'TEXT'  
hello $world  
    TEXT;
```

- A. hello world
- B. hello \$world
- C. PHP Parser error

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

## QUESTION 12

What is the output of the following code?

```
class Bar {  
    private $a = 'b';  
    public $c = 'd';  
}  
$x = (array) new Bar();  
  
echo array_key_exists('a', $x) ? 'true' : 'false';  
echo '-';  
echo array_key_exists('c', $x) ? 'true' : 'false';
```

- A. false-false
- B. false-true
- C. true-false
- D. true-true

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 13**

What is the length of a string returned by: md5(rand(), TRUE);

- A. Depends on the value returned by rand() function
- B. 32
- C. 24
- D. 16
- E. 64

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

What method can be used to find the tag <any> via the DOM extension?

- A. getElementById()
- B. getElementsByTagName()
- C. getElementsByTagNameNS()
- D. getElementByName()
- E. findTag()

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 15**

What is the output of the following code?

```
echo "1" + 2 * "0x02";
```



- A. 1
- B. 3
- C. 5
- D. 20
- E. 7

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 16**

What Content-Type HTTP header value is required when sending an HTTP POST request using JavaScript to ensure that PHP can access the data?

- A. application/x-www-form-urlencoded
- B. http/post
- C. text/html
- D. object/multipart-formdata

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 17**

An HTML form has two submit buttons. After submitting the form, how can you determine with PHP which button was clicked?

- A. An HTML form may only have one button.
- B. You cannot determine this with PHP only. You must use JavaScript to add a value to the URL depending on which button has been clicked.
- C. Put two buttons in different forms, but make sure they have the same name.
- D. Assign name and value attributes to each button and use \$\_GET or \$\_POST to find out which button has been clicked.

**Correct Answer:** D

**Section:** (none)

## Explanation

### Explanation/Reference:

## QUESTION 18

Which options do you have in PHP to set the expiry date of a session?

- A. Set the `session.duration` directive in `php.ini`
- B. Set session cookie expiry date locally via `session_set_cookie_params()`
- C. Set session expiry date locally via `session_cache_expire()`
- D. None of the above

**Correct Answer:** D

**Section:** (none)

## Explanation

### Explanation/Reference:

## QUESTION 19

What is the output of the following code?

```
class Test {
    public $var = 1;
}

function addMe(Test $t) {
    $t->var++;
}

$t = new Test();
addMe($t);
echo $t->var;
```

- A. 1
- B. 2
- C. null

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 20

Assuming UTF-8 encoding, what is the value of \$count?

```
$data == '$!a2';  
$count = strlen('$data');
```

- A. 4
- B. 5
- C. 7
- D. 0

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 21

Given a php.ini setting of

default\_charset = utf-8

what will the following code print in the browser?

```
header('Content-Type: text/html; charset=iso-8859-1');  
  
echo '&#9986;&#10004;&#10013;';
```

- A. Three Unicode characters, or unreadable text, depending on the browser
- B. & # 9986 ; & # 10004 ; & # 10013
- C. A blank line due to charset mismatch

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

## QUESTION 22

Consider the following table data and PHP code. What is the outcome?

Table data (table name “users” with primary key “id”):

id	name	email
--	-----	-----
1	anna	alpha@example.com
2	betty	beta@example.org
3	clara	gamma@example.net
5	sue	sigma@example.info

PHP code (assume the PDO connection is correctly established):

```
$dsn = 'mysql:host=localhost;dbname=exam';
$user = 'username';
$pass = '*****';
$pdo = new PDO($dsn, $user, $pass);

try {
    $cmd = 'INSERT INTO users (id, name, email) VALUES (:id, :name, :email)';
    $stmt = $pdo->prepare($cmd);
    $stmt->bindValue('id', 1);
    $stmt->bindValue('name', 'anna');
    $stmt->bindValue('email', 'alpha@example.com');
    $stmt->execute();
    echo "Success!";
} catch (PDOException $e) {
    echo "Failure!";
    throw $e;
}
```

- A. The INSERT will succeed and the user will see the “Success!” message.
- B. The INSERT will fail because of a primary key violation, and the user will see the “Success!” message.
- C. The INSERT will fail because of a primary key violation, and the user will see a PDO warning message.
- D. The INSERT will fail because of a primary key violation, and the user will see the “Failure!” message.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 23

What is the output of the following code?

```
namespace MyNamespace;  
class Test {  
}  
echo Test::class;
```

- A. MyNamespace\Test
- B. empty string
- C. parse error
- D. Test

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 24

What is the output of the following code?

```
echo "22" + "0.2", 23 . 1;
```

- A. 220.2231
- B. 22.2231
- C. 22.2,231
- D. 56.2

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 25**

What is the output of the following code?

```
$first = "second";  
$second = "first";  
echo $$$first;
```

- A. "first"
- B. "second"
- C. an empty string
- D. an error

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 26**

Which of the following statements about Reflection are correct?

- A. Reflection is an extension that can be disabled
- B. Reflection is a new extension present only in PHP 7.0+
- C. Reflection only allows to reflect on built-in classes
- D. Built-in classes can be reflected on command line using `php --rc <classname>`

**Correct Answer:** D

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 27

Which of the following techniques ensures that a value submitted in a form can only be `yes` or `no`?

- A. Use a select list that only lets the user choose between `yes` and `no`.
- B. Use a hidden input field that has a value of `yes` or `no`.
- C. Enable the `safe_mode` configuration directive.
- D. None of the above.

**Correct Answer:** D

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 28

What is the output of the following code?

```
for ($i = 0; $i < 1.02; $i += 0.17) {  
    $a[$i] = $i;  
}  
echo count($a);
```

- A. 1
- B. 2
- C. 6
- D. 7

**Correct Answer:** A

**Section:** (none)

### Explanation

### Explanation/Reference:

**QUESTION 29**

What will the following function call print?

```
printf('%010.6f', 22);
```

- A. 22
- B. 22.00
- C. 022.000000
- D. 22.000000

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 30**

Which of the following can NOT be used to send a cookie from within a PHP application?

- A. header()
- B. \$\_COOKIE
- C. setcookie()
- D. setrawcookie()

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

Given a DateTime object that is set to the first second of the year 2017, which of the following samples will correctly return a date in the format '2017-01-01 00:00:01'?

- A. \$datetime->format('%Y-%m-%d %h:%i:%s')



- B. `$datetime->format('%Y-%m-%d %h:%i:%s', array('year', 'month', 'day', 'hour', 'minute', 'second'))`
- C. `$datetime->format('Y-m-d H:i:s')`
- D. `$date = date("Y-m-d H:i:s", $datetime);`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 32

What function is best suited for extracting data from a formatted string into an array?

- A. `fgetcsv`
- B. `sscanf`
- C. `sprintf`
- D. `strtok`

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 33

One common security risk is exposing error messages directly in the browser. Which PHP configuration directive can be disabled to prevent this?

- A. `html_display`
- B. `error_reporting`
- C. `display_errors`
- D. `error_log`
- E. `ignore_repeated_errors`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

What is the output of the following code?

```
try {  
    class MyException extends Exception {};  
    try {  
        throw new MyException;  
    }  
    catch (Exception $e) {  
        echo "1: ";  
        throw $e;  
    }  
    catch (MyException $e) {  
        echo "2: ";  
        throw $e;  
    }  
}  
catch (Exception $e) {  
    echo get_class($e);  
}
```

- A. A parser error, try cannot be followed by multiple catch
- B. 1:Exception
- C. 1:MyException
- D. 2:MyException
- E. MyException

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

Which of the following is NOT possible using reflection?

- A. Analysing of nearly any aspect of classes and interfaces
- B. Analysing of nearly any aspect of functions
- C. Adding class methods
- D. Implement dynamic construction (new with variable class name)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 36

What exception type will catch the error raised by the expression  $2 / 0$ ?

- A. LogicException
- B. RangeException
- C. DivisionByZeroError
- D. ArithmeticError

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 37

What function can reverse the order of values in an array so that keys are preserved?

- A. array\_flip()
- B. array\_reverse()
- C. rsort()
- D. krsort()
- E. array\_multisort()

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

### QUESTION 38

What is the output of the following code?

```
class Number {
  private $v;
  private static $sv = 10;
  public function __construct($v) { $this->v = $v; }
  public function mul() {
    return static function ($x) {
      return isset($this) ? $this->v*$x : self::$sv*$x;
    };
  }
}

$one = new Number(1);
$two = new Number(2);
$doube = $two->mul();
$x = Closure::bind($doube, null, 'Number');
echo $x(5);
```

- A. 5
- B. 10
- C. 50
- D. Fatal error

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

### QUESTION 39

You work for a shared hosting provider, and your supervisor asks you to disable user scripts to dynamically load PHP extensions using the `d1()` function. How can you do this? (Choose two.)

- A. Set `enable_d1` to `off` in the server's `php.ini` configuration file
- B. Add `d1` to the current value of `disable_functions` in the server's `php.ini` configuration file.
- C. Add `d1` to the current value of `disable_classes` in the server's `php.ini` configuration file.
- D. Write a custom function called `d1()`, save it under the name `prepend.inc` and then set the `auto_prepend_file` directive to `prepend.inc` in `php.ini`.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 40

Which of the following statements about SOAP are NOT true?

- A. SOAP is also a request-/response-based protocol.
- B. SOAP can be transported using SMTP, HTTP and other protocols.
- C. SOAP requires developers to use WSDL.
- D. SOAP traffic via HTTP can be encrypted and compressed just like other HTTP requests.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 41

Consider the following table data and PHP code. What is the outcome?

Table data (table name "users" with primary key "id"):

id	name	email
1	anna	alpha@example.com
2	betty	beta@example.org
3	clara	gamma@example.net
5	sue	sigma@example.info

PHP code (assume the PDO connection is correctly established):

```
$dsn = 'mysql:host=localhost;dbname=exam';
$user = 'username';
$pass = '*****';
$pdo = new PDO($dsn, $user, $pass);

$stmt = $pdo->prepare("SELECT * FROM users WHERE id = :id");
$id = 3;
$stmt->bindParam('id', $id);
$stmt->execute();

$stmt->bindColumn(3, $result);
$row = $stmt->fetch(PDO::FETCH_BOUND);
```

- A. the database will return no rows.
- B. The value of \$row will be an array.
- C. The value of \$result will be empty.
- D. The value of \$result will be 'gamma@example.net'.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 42

How should class MyObject be defined for the following code to work properly? Assume \$array is an array and MyObject is a user-defined class.

```
$obj = new MyObject();  
array_walk($array, $obj);
```

- A. MyObject should extend class Closure
- B. MyObject should implement interface Callable
- C. MyObject should implement method\_\_call
- D. MyObject should implement method\_\_invoke

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 43**

Which of the following will set a 10 seconds read timeout for a stream?

- A. ini\_set("default\_socket\_timeout", 10);
- B. stream\_read\_timeout(\$stream, 10);
- C. Specify the timeout as the 5th parameter to the fsockopen() function used to open a stream
- D. stream\_set\_timeout(\$stream, 10);
- E. None of the above

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 44**

What is the output of the following code?

```
function z($x) {  
    return function ($y) use ($x) {  
        return str_repeat($y, $x);  
    };  
}  
  
$a = z(2);  
$b = z(3);  
echo $a(3) . $b(2);
```

- A. 22333
- B. 33222
- C. 33322
- D. 22233

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 45

What are two reasons to use POST instead of GET when submitting a form? (Choose two.)

- A. Protection from Cross-Site Request Forgery
- B. POST requests can automatically encrypt data
- C. A much higher content size restriction
- D. Possibility to upload files

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://stackoverflow.com/questions/15861458/benefits-of-post-redirect-get>

#### QUESTION 46

What is a difference between the ?? operator and the ?: operator?



- A. The ?? operator combines the ternary operator with isset()
- B. The ?: operator combines the ternary operator with isset()
- C. The ?: operator is only supported by PHP 7 onwards

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.sitepoint.com/using-the-ternary-operator/>

#### QUESTION 47

Given the following PHP function:

```
function doSomething(?string $s) {  
    // ...  
}
```

Which of the following values for the \$s parameter do NOT yield a type error when calling the doSomething() function?

- A. 'null'
- B. null
- C. "
- D. All of the above

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 48

True or false: you can catch fatal errors (e.g., parse errors, out of memory errors, compilation errors) in PHP 7 using try/catch.

- A. True
- B. False

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 49**

What are the prerequisites for an object so that PHP's array functions such as `array_values()` can be used on it?

- A. It implements Traversable
- B. It is an instance of ArrayObject
- C. It implements ArrayAccess
- D. None of the above

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 50**

Are PHP constants case-sensitive?

- A. They are by default, but it is possible to create case-insensitive constants.
- B. They are not by default, but it is possible to create case-sensitive constants.
- C. Yes, they are always case-sensitive.
- D. No, they are always case-insensitive.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 51**

How do you allow the caller to submit a variable number of arguments to a function? (Choose two.)

- A. Using a prototype like function `test(...$parameters)`.

- B. Using a prototype like function test() and the function func\_get\_args() inside the function body
- C. Using a prototype like function test(\$parameters[]).
- D. Using a prototype like function test() and the function get\_variable\_args() inside the function body.
- E. This is not possible in PHP.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <http://php.net/manual/en/functions.arguments.php>

#### QUESTION 52

Given the following PHP code:

```
<?php>
class MyException extends Exception {
//
}

try {
throw new MyException('something went wrong');
}
***
{
echo $e->getMessage();
}
</php>
```

Which code, if put on place of \*\*\*, will NOT prompt the code to output “something went wrong” when run?

- A. catch (Exception \$e)
- B. catch (MyException \$e)
- C. catch (MyException | TheirException \$e)
- D. catch (Error \$e)
- E. None of the above

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**