

## Exam A

### QUESTION 1

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

### QUESTION 2

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

### QUESTION 3

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

#### QUESTION 4

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

#### QUESTION 5

Which of the following items in the \$\_SERVER superglobal are important for authenticating the client when using HTTP Basic authentication? (Choose two.)

- A. PHP\_AUTH\_TYPE
- B. PHP\_AUTH\_PASSWORD
- C. PHP\_AUTH\_DIGEST
- D. PHP\_AUTH\_PW
- E. PHP\_AUTH\_USER

**Correct Answer:** DE

**QUESTION 6**

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

**QUESTION 7**

Which of these error types may be handled by a user defined error handler function? (Choose two.)

- A. `E_ERROR`
- B. `E_NOTICE`
- C. `E_PARSE`
- D. `E_WARNING`

**Correct Answer:** AC

**QUESTION 8**

Which methods can be used to overload object properties? (Choose two.)

- A. `set()`, `get()`
- B. `__set()`, `get()`
- C. `__put()`, `receive()`, `exist()`
- D. `set()`, `get()`, `isset()`
- E. `__isset()`, `__unset()`

**Correct Answer:** BE

**QUESTION 9**

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

**QUESTION 10**

In a shared hosting environment, session data can be read by PHP scripts written by any user. How can you prevent this? (Choose two.)

- A. Store session data in a different location with `session.save_path`
- B. Store session data in a database
- C. Enable `safe_mode`
- D. Set `session.name` to something unique.

**Correct Answer:** AB

**QUESTION 11**

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

**QUESTION 12**

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Which PHP function is used to validate where the contents of \$\_FILES['name']['tmp\_name'] have really been uploaded via HTTP, and also save the contents into another folder?

**Correct Answer:** is\_uploaded\_file() -or- is\_uploaded\_file

**QUESTION 13**

Which class of HTTP status codes is used for server error conditions?

- A. 2XX
- B. 3XX
- C. 4XX
- D. 5XX

**Correct Answer:** D

**QUESTION 14**

What is the output of the following code?

```
$string = 'Good luck!';  
$start = 10;  
var_dump(substr($string, $start));
```

- A. string(0) ""
- B. bool(false)
- C. string(1) "!"
- D. string(2) "k!"

**Correct Answer:** A

**QUESTION 15**

Is the following code vulnerable to SQL Injection where (\$mysqli is an instance of the mysqli class)?

```
$age = $mysqli->real_escape_string($_GET['age']);  
$name = $mysqli->real_escape_string($_GET['name']);  
$query = "SELECT * FROM 'table' WHERE name LIKE '$name' AND age = $age";  
$results = $mysqli->query($query);
```

- A. No, the code is fully protected from SQL Injection.
- B. Yes, because the \$name variable is improperly escaped.
- C. Yes, because the \$name variable and the \$age variable is improperly escaped.
- D. Yes, because the \$age variable is improperly escaped.
- E. Yes, because you cannot prevent SQL Injection when using MySQLi

**Correct Answer:** D

**QUESTION 16**

An unbuffered database query will (choose two):

- A. return the first data faster
- B. return all data faster
- C. free connection faster for others scripts to use
- D. use less memory

**Correct Answer:** AD

**QUESTION 17**

Consider 3 PHP files that are called asynchronously via XmlHttpRequest:

```
// s1.php
session_start();
sleep(1);
```

```
// s2.php
session_start();
sleep(2);
```

```
// s3.php
session_start();
sleep(3);
```

Which of the following statements is true? (Choose two.)

- A. The total execution time for all 3 requests will be the maximum of the longest sleep() call
- B. The requests may be processed out of order
- C. The requests are guaranteed to be executed in order
- D. Concurrent requests will be blocked until the session lock is released

**Correct Answer:** AB

**QUESTION 18**

Which of the following expressions will evaluate to a random value from an array below?

```
$array = ["Sue", "Mary", "John", "Anna"];
```

- A. array\_rand(\$array);
- B. array\_rand(\$array, 1);
- C. shuffle(\$array);
- D. \$array[array\_rand(\$array)];
- E. array\_value(\$array, ARRAY\_RANDOM);

**Correct Answer:** D

**QUESTION 19**

What is the output of the following code?

```
trait MyTrait {  
    private $abc = 1;  
    public function increment() {  
        $this->abc++;  
    }  
    public function getValue() {  
        return $this->abc;  
    }  
}  
  
class MyClass {  
    use MyTrait;  
    public function incrementBy2() {  
        $this->increment();  
        $this->abc++;  
    }  
}  
  
$c = new MyClass;  
$c->incrementBy2();  
var_dump($c->getValue());
```

- A. Fatal error: Access to private variable MyTrait: \$abc from context MyClass
- B. Notice: Undefined property MyClass: \$abc
- C. int(2)
- D. int(3)
- E. NULL

**Correct Answer: D**



**QUESTION 20**

Under what condition may HTTP headers be set from PHP if there is content echoed prior to the header function being used?

- A. headers\_sent() returns true
- B. Output buffering is enabled
- C. The client supports local buffering
- D. The webserver uses preemptive mode

**Correct Answer:** B

**QUESTION 21**

What is the output of the following code?

```
echo '1' . (print '2') + 3;
```



- A. 123
- B. 213
- C. 142
- D. 214
- E. Syntax error

**Correct Answer:** D

**QUESTION 22**

Which of the following is NOT true about PHP traits? (Choose two.)

- A. Multiple traits can be used by a single class
- B. A trait can implement an interface
- C. A trait can declare a private variable.
- D. Traits are able to be auto-loaded.
- E. Traits automatically resolve conflicts based on definition order.

**Correct Answer:** BE

**QUESTION 23**

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:** B

**QUESTION 24**

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

**QUESTION 25**

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**

#### QUESTION 26

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: B**

#### QUESTION 27

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**

### QUESTION 28

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**

**QUESTION 29**

What is the benefit of using persistent database connections in PHP? (Choose two.)

- A. Reduces the connection & authentication overhead of connecting to the database
- B. Ensures that only a single connection is open to the database from PHP
- C. Allows connection settings such as character set encoding to persist
- D. Allows for resumption of transactions across multiple requests.

**Correct Answer:** CD

**QUESTION 30**

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

**QUESTION 31**

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

**QUESTION 32**

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

**QUESTION 33**

Which of the following statements about anonymous functions in PHP are NOT true? (Choose two.)

- A. Anonymous functions can be bound to objects
- B. Anonymous functions created within object context are always bound to that object
- C. Assigning closure to a property of an object binds it to that object
- D. Methods bind() and bindTo() of the Closure object provide means to create closures with different binding and scope
- E. Binding defines the value of \$this and the scope for a closure

**Correct Answer:** BC

**QUESTION 34**

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

#### **QUESTION 35**

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

#### **QUESTION 36**

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

**QUESTION 37**

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What is the output of the following code?

```
function increment (&$val)
{
    return $val + 1;
}
$a = 1;

echo increment ($a);
echo increment ($a);
```

**Correct Answer:** 22**QUESTION 38**

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



**QUESTION 39**

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: C**

**QUESTION 40**

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:MyExeption
- D. 2:MyException
- E. MyException

**Correct Answer:** C

#### **QUESTION 41**

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

#### **QUESTION 42**

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Your supervisor wants you to disallow PHP scripts to open remote HTTP and FTP resources using PHP's file functions. Which php.ini setting should you change accordingly?

**Correct Answer:** allow\_url\_fopen -or- allow\_url\_fopen=off -or- allow\_url\_fopen=Off -or- allow\_url\_fopen = off -or- allow\_url\_fopen = Off

**QUESTION 43**

What can prevent PHP from being able to open a file on the hard drive? (Choose two.)

- A. File system permissions
- B. File is outside of open\_basedir
- C. File is inside the /tmp directory
- D. PHP is running in CGI mode

**Correct Answer:** AB

**QUESTION 44**

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

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

**Correct Answer:** C

**QUESTION 45**

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);
$double = $two->mul();
$x = Closure::bind($double, null, 'Number');
echo $x(5);
```

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

**Correct Answer: C**

**QUESTION 46**

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

**QUESTION 47**

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