1. Which of the following is/are FALSE regarding OOP in PHP 5.3?

A) The __toString method is called in any string context

B) Classes that implement interfaces with methods that have default values in the prototype are required to match the interface's default value.

C) Exceptions thrown in the __autoload function can be caught in the catch block

D) Added heredoc and nowdoc support for class const and property definitions

2. Which of the following methods is used to retain properties when accessed as a list?

A)ArrayObject::STD_PROP_LIST

B)stdClass::PROP_LIST

C)ArrayObject::PROP_LIST

D)stdClass::STD_PROP_LIST

3. You have given the following PHP code:

```
class Example {
   public $public = '1';
   private $prv   = '2';
   protected $prt = '3';
}
$arrayobj = new ArrayObject(new Example());
var_dump($arrayobj->count());
```

What will be the output?

A) int(1)

B) int(3)

C) int(0)

D) int(2)

4. Which of the following functions will you use to sort the values of an array object by preserving key values?

A) ArrayObject::keysort

B) ArrayObject::asort

C) ArrayObject::rsort

D) ArrayObject::sort

5. Which of the following keywords is used to prevent a method/class to be overridden by a subclass?

A) Protected

B) Public

C) Final

D) Private

6. You run the following PHP script:

```
class Test
{
   function __call( $var1, $var2) {
      $check = " '$var1' called\n";
      $check.= print_r($var2, true);
      return $check;
   }
}
$item = new Test();
print $item->xxx( "John", "Maria", "Jason" );
```

What is the work of the __call() method in the above script?

A) To define undefined objects

B) To catch undefined methods

C) To catch undefined objects

D) To catch undefined variables

7. Which of the following allows a programmer to set a string value for the object that will be used if the object is ever used as a string?

A)__toString()

B)__get()

C)__call()

D)__string()

8. Consider the following PHP code snippet:

```
class A {
   static $word = "hello";
   static function hello() {
      print static::$word;
   }
}
class B extends A {
   static $word = "bye";
}
B::hello();
```

What will be the output on running the above mentioned code snippet?

A) hello

B) hellobye

C) The script will throw an error.

D) bye

9. Which of the following access controls specifies that a feature can be accessed by any other class?

A) Protected

B) Public

C) Abstract

D) Private

10. Which of the following are the uses of Reflection? Each correct answer represents a complete solution. Choose all that apply.

A) To interact with encoded scripts.

B) To provide complete overview of incompletely updated manual.

C) To know what is inside the class.

D) To know metadata of the PHP manual.

11. Which of the following is used to pass an object?

A) Reference

B) Value as well as reference

C) Value

D) Handle

12. Which of the following methods is called when a user sets a value of an undeclared or undefined attribute of a class?

A)__get()

B)__getter()

C)__setter()

D)__set()

13. Which of the following options shows the correct format of fetching class variables using the $this variable?

A) $this.$varname

B) $this->varname

C) $this.varname

D) $this->$varname

14. What is the primary difference between a method declared as static and a normal method?

A) Static methods do not provide a reference to $this.

B) Static methods can only be called using the :: syntax and never from an instance.

C) Static methods cannot be called from within class instances.

D) Static methods don't have access to the self keyword.

15. What is the output of the following code?

```
class A {};
class B1 extends A {};
class_alias('A', 'B2');
$b1 = new B1; echo get_class($b1);
$b2 = new B2; echo get_class($b2);
```

A) B2A

B) B1B2

C) B1A

D) It will throw an error.

16. You run the following PHP script:

```
class number
{
   public $a = 1;
   protected $b = 2;
   private $c = 3;
}
$numbers = new number();
foreach($numbers as $value) {
   echo "$value ";
}
```

What will be the output?

A) The script will throw an error.

B) 1 2

C) 1 2 3

D) 1

17. Maria creates an application using PHP script. The application contains certain classes. The class design requires that a particular member variable must be directly accessible to any subclass of this class only. What should Maria do to achieve this?

A) Mark the variable as protected.

B) Mark the variable as final.

C) Mark the variable as public.

D) Mark the variable as private.

18. Which of the following statements is/are FALSE regarding forward_static_call_array() function in PHP 5.3?

A) This function can be used outside a class.

B) It uses late static binding.

C) This function must be called within a method context.

D) All arguments of the forwarded method are passed as values, and as an array.

19. Assuming every method call below returns an instance of an object, how can the following be re-written in PHP5/7? $a = new MyClass();

$b = $a->getInstance();

$c = $b->doSomething();

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

B) $c = $a->getInstance()->doSomething();

C) $c = (MyClass)$a->getInstance();

D) This cannot be re-written in PHP5/7.

20. What is the output of the following code?

```
interface foo {}
class_alias('foo', 'bar');
echo interface_exists('bar') ? 'yes' : 'no';
```

A) yes

B) an error

C) no

D) null

21. Which of the following SPL Interfaces/classes extends the standard Iterator interface and enables the ability to retrieve a specific item from the internal data store?

A) ArrayAccess

B) FilterIterator

C) Recursive Iterator

D) SeekableIterator

22. Which of the following is triggered when inaccessible methods are triggered in an object context?

A)__autoload()

B)__call()

C)__test()

D)__load()

23. Which of the following methods is called to directly echo or print() an object?

A) __unset()

B) __isset()

C) __toString()

D) __set_state()

24. Consider the following PHP code snippet:

```
class Object
{
  function Object($entity) {
     $entity->name = "John";
  }
}
class Entity
{
    public $name = "Maria";
}
$entity = new Entity();
$obj = new Object($entity);
print $entity->name;
```

What should be the output of this script (Ignore warning)?

A) John

B) Maria

C) The script will throw an error message.

D) JohnMaria

25. Which of the following OOP`s design patterns is used to encapsulate a data source so that accessing data source components becomes hidden within the class that implements the pattern?

A) Registry

B) Factory

C) Model-view-controller

D) ActiveRecord

26. Fill in the blank with the appropriate method. The _____ method automatically calls whenever a user tries to instantiate a nonexistent class.

A) __autoload

B) __call

C) __load

D) # all answer are wrong

27. What is the result of the following code?

```
$x = new class extends \stdClass {
   function getName() {
            return 'PHP';
         }
};
echo $x->getName();
```

A) PHP

B) A fatal error because \stdClass is a special class that cannot be used directly

C) A warning saying than all anonymous class must be declared public

D) A fatal error because anonymous classes cannot inherit from other classes

28. Which of the following phrases best describes what is required to make this script output 41234?

```
class SomeClass {
   private $_values = [1, 2, 3, 4];
}
$obj = new SomeClass;
echo count($obj);
foreach($obj as $v) {
   echo $v;
}
```

A) SomeClass needs to implement Iterator

B) SomeClass needs to implement IteratorAggregate

C) SomeClass needs to implement Iterator and Countable

D) A for() loop should be used instead of foreach()

29. Which of the following statements are true when applied to a Registry pattern? (choose two)

A) Only one instance of the class can exist

B) It is designed to store values of various types

C) It implements ArrayAccess

D) It uses static methods

30. Is this statement true or false? "Methods declared as static must be called statically"

A) True

B) False

C) 0

D) 1

31. ArrayAccess is an example of a:

A) design pattern

B) object

C) class

D) interface

32. Using the notation self::$property refers to:

A) The class property $property in this class

B) A property of the current object

C) The $property of the current object

D) The class constant $property in this class

33. What is the output of the following code?

```
class Content {
  public function publish() {
    $this->published = true;
    $this->article();
    return true;
  }
  protected function article() {
    echo "<i>Article:</i>";
  }
}
class Article extends Content
{
  public function article() {
    echo "<i>Post:</i>";
  }
}

$post = new Article();
echo $post->publish();
```

A) Post:

B) an Error

C) Post:Post:1

D) Article:

34. Given the following code:

```
Interface Verifiable {
  public function verify();
}
```

```
Class Cheque {
  public function verify() {
    return true;
  }
}

Class CurrencyCheque extends Cheque implements Verifiable
{
  // interesting stuff happens
}

$obj = new CurrencyCheque();
```

What happens when we instantiate a CurrencyCheque object?

A) An warning because the interface isn't implemented

B) A new CurrencyCheque object is created

C) The method must be redefined in CurrencyCheque

D) An error that the interface must be defined in the parent object

35. What is the output of the following code?

```
if(strcmp("hi", "HI")) echo "hello";
elseif(strcasecmp("hi","HI")) echo "world";
else throw new Exception("HI");
```

A) "hello"

B) "world"

C) an Exception

D) nothing (no output)

36. How can you recover the original information from this string?

a:4:{i:2;s:3:"foo";i:3;s:4:"spot";i:4;s:6:"stripe";s:3:"bar";i:64;}

A) using json_decode()

B) using the mcrypt extension

C) using a database library

D) using unserialize()

37. Given this code sample:

```
interface A {}
class C {}
class B extends C {}
class E extends C implements A {}
class D extends E{}
$b = new B();
$e = new E();
$c = new C();
$a = new B();
$d = new D();
```

Which of the following statements are true?

A)$d instanceof A

B)$d instanceof C

C)$e instanceof A

D)$c instanceof C

38. Which object method is automatically called when an object is cloned?

A)__clone()

B)__copy()

C)__wakeup()

D)__drone()

39. Which of the following is a magic method in PHP?

A)__set()

B)__sleep()

C)__call()

D)__return()

40. What is the output of the following code?

```
class M {
  public function identify() {
    echo self::myName();
  }
  public function myName() {
    return "Mike";
  }
}
class N extends M {
  public function myName() {
    return "November";
  }
}
function m(N $n) {
  $n->identify();
}
$m = new N();
m($m);
```

A) Fatal error

B) Catchable fatal error

C) November

D) Mike

41. What is the result of the following code?

```
echo (new anonymousclass {
  function foo() {
    return ['5', '7', '1'];
  }
})->foo()[0][0];
```

A) 7

B) 5

C) an syntax error because the anonymousclass does not have a constructor

D) an syntax error because the anonymousclass keyword does not exist (new class exist)

42. If a function expects a parameter of type iterable, what can you do to send an object?

A) You implement __iterate magic method in your class

B) You implement Traversable interface in your class

C) You implement Iterable interface in your class

D) only array are considered iterable, so you cannot send object

43. What three special methods can be used to perform special logic in the event a particular accessed method or member variable is not found?

A) __get($variable)

B) __call($method, $params)

C) __set($variable, $value)

D) __get($method)

44. What is the output of the following?

```
class C {
    public $x = 1;
```

```
    function __construct() {
        ++$this->x;
    }

    function __invoke() {
        return ++$this->x;
    }

    function __toString() {
        return (string)--$this->x;
    }
}

$obj = new C();
echo $obj();
```

A) 2

B) 3

C) 1

D) an error

45. 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) __sleep()

B) __destroy()

C) __serialize()

D) __destruct()

46. 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.

A) array, interface

B) interface, extends

C) interface, implements

D) instance, implements

47. How can the following code be re-written from PHP 4 to PHP 5/7?

```
if (get_class($myObj) == "MyClass") {
  // Do something
}
```

A) if(strtolower(get_class($myObj)) == "myclass")

B) if($myObj implements MyClass)

C) if($myObj instanceof MyClass)

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

48. Type-hinting and the instanceof keyword can be used to check what types of things about variables?

A) If they have a particular parent class

B) If they are an instance of a particular class

C) If a particular child class extends from it

D) If they are an instance of a particular interface

49. 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) abstract

B) final

C) protected

D) incomplete

50. What is the output of the following code?

```
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