

COP -Mock Test 1

Total points 13/20 ?

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✓ 1. From the following statements which is a disadvantage of an java array? *1/1

- ☐ An array can hold primitive types data
- ☐ An array has its size that is known as array length
- ☐ An array knows only its type that it contains. Array type is checked at the compile-time
- ☒ An array holds only one type of data ✓

✓ 2. String is a wrapper class? * 1/1

- ☐ TRUE
- ☒ FALSE ✓



✓ 3. What is not true in the following statements about java. *

1/1

- ☐ It is compiled using java compiler.
- ☐ The compiled files have .class extension.
- ☒ Such files cannot be transferred from one comp to another.
- ☐ They use the java interpreter.



✗ 4. Which of the following can be referenced by this variable? *

0/1

- ☒ The instance variables of a class only
- ☐ The methods of a class only
- ☐ The instance variables and methods of a class
- ☐ Static method of class



Correct answer

- ☒ The instance variables and methods of a class



✗ 5. Which one of these lists contains only Java programming language keywords? *0/1

- ☒ class, if, void, long, int, continue. ✗
- ☐ goto, instanceof, native, finally, default, throws.
- ☐ try, virtual, throw, final, volatile, transient.
- ☐ strictfp, constant, super, implements, do.

Correct answer

- ☒ goto, instanceof, native, finally, default, throws.



- ✓ 6. You read the following statement in a Java program that compiles and executes. *1/1

```
submarine.dive(depth);
```

What can you say for sure?

- ☐ depth must be an int.
- ☒ dive must be a method. ✓
- ☐ dive must be the name of an instance field.
- ☐ submarine must be the name of a class.

- ✓ 7. What is reference to an object? * 1/1

- ☐ It is address of an object
- ☒ It is address of where the variables and methods of object are stored ✓
- ☐ It is pointer having address of an object
- ☐ It is address of only variables and not the methods of an object



✓ 8. . What is false about constructor? *

1/1

- ☐ Constructors cannot be synchronized in Java
- ☐ Java does not provide default copy constructor
- ☒ Constructor can have a return type
- ☐ "this" and "super" can be used in a constructor



✗ 9. Can a super class object give reference to a subclass method? *

0/1

- ☒ No, it is not possible
- ☐ Maybe, it is possible
- ☐ No, it's not possible
- ☐ No, It's not possible in few cases only



Correct answer

- ☒ No, it's not possible



✓ 10. What is the output of the following code? *

1/1

```
1 package instanceofjava;
2
3 public class Test {
4
5     static int x;
6
7     public static void main(String[] args) {
8
9         Test obj1= new Test();
10        obj1.x=10;
11
12        Test obj2= new Test();
13        obj2.x=20;
14
15        x=30;
16        System.out.print("x="+obj1.x);
17        System.out.print(" x="+obj2.x);
18
19    }
20
21 }
22
```

- ☐ x=10 x=10
- ☐ x=10 x=20
- ☒ x=30 x=30
- ☐ x=30 x=20



✓ 11. When does method overloading is determined? *

1/1

- ☐ At run time
- ☒ At compile time
- ☐ At coding time
- ☐ At execution time



✗ 12. How many objects can be referenced from the same variables? *

0/1

- ☐ One at a time
- ☒ Many at a time
- ☐ Many using array name
- ☐ 7 at max at same time



Correct answer

- ☒ One at a time



✓ 13. The wrapping up of data and functions into a single unit is called * 1/1

- ☐ Data Hiding
- ☐ Abstraction
- ☒ Encapsulation
- ☐ Polymorphism



✓ 14. Given a class named student, which of the following is a valid constructor declaration for the class? *1/1

- ☐ Student student () { }
- ☐ Private final student () { }
- ☐ Static void student(){ }.
- ☒ Student (student s) { }



✗ 15. What is the output of the below Java program with constructors? * 0/1

```
public class Constructor2
{
    int count=10;
    Constructor2(int count)
    {
        System.out.println("Count=" + count);
    }

    public static void main(String[] args)
    {
        Constructor2 con = new Constructor2();
    }
}
```

- ☐ Count=0
- ☐ Count=10
- ☐ Compiler error
- ☒ None of the above

✗

Correct answer

- ☒ Compiler error



✓ 16. In Java, a method name can not start with a ____.*

1/1

- ☐ number
- ☐ # (pound)
- ☐ - (hyphen)
- ☒ All the above



✗ 17. A constructor can call another overloaded constructor using the ____ keyword in Java.*0/1

- ☐ super
- ☐ static
- ☐ final
- ☒ this



Correct answer

- ☒ super



✓ 18. Choose the correct identifier for a method name in Java. *

1/1

☐ 1show

☒ \$hide

☐ *show\$

☐ 3_click



✓ 19. What is the output of the below Java program with overloaded constructors?

*1/1

```
public class Constructor3
{
    int birds=10;
    Constructor3()
    {
        this(20);
    }
    Constructor3(int birds)
    {
        System.out.println("Birds=" + birds);
    }

    public static void main(String[] args)
    {
        Constructor3 con = new Constructor3();
    }
}
```

- ☐ Birds=0
- ☐ Birds=10
- ☒ Birds=20
- ☐ Compiler error



✗ 20. What is the output of the below Java program? *

0/1

```
public class TestingMethods5
{
    public static void main(String[] args)
    {
        int localVariable;
        System.out.println(localVariable);
    }
}
```

- ☐ 0
- ☐ garbage value
- ☒ NullPointerException
- ☐ Compiler error

✗

Correct answer

- ☒ Compiler error



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