

Java Multiple Choice Questions

1) Which of the following option leads to the portability and security of Java?

- a. Bytecode is executed by JVM
- b. The applet makes the Java code secure and portable
- c. Use of exception handling
- d. Dynamic binding between objects

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2) Which of the following is not a Java features?

- a. Dynamic
- b. Architecture Neutral
- c. Use of pointers
- d. Object-oriented

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3) What should be the execution order, if a class has a method, static block, instance block, and constructor, as shown below?

```
public class First_C {  
    public void myMethod()  
    {  
        System.out.println("Method");  
    }  
  
    {  
        System.out.println(" Instance Block");  
    }  
  
    public void First_C()  
    {
```

↑ SCROLL TO TOP n("Constructor ");

```
}  
  
static {  
    System.out.println("static block");  
}  
  
public static void main(String[] args) {  
    First_C c = new First_C();  
    c.First_C();  
    c.myMethod();  
}  
}
```

- a. Instance block, method, static block, and constructor
- b. Method, constructor, instance block, and static block
- c. Static block, method, instance block, and constructor
- d. Static block, instance block, constructor, and method

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4) What will be the output of the following program?

```
public class MyFirst {  
    public static void main(String[] args) {  
        MyFirst obj = new MyFirst(n);  
    }  
    static int a = 10;  
    static int n;  
    int b = 5;  
    int c;  
    public MyFirst(int m) {  
        System.out.println(a + " " + b + " " + c + " " + n + " " + m);  
    }  
    // Instance Block  
    {  
        b = 30;  
    }  
}
```

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```
// Static Block
```

```
static
```

```
{  
    a = 60;  
}  
}
```

- a. 10, 5, 0, 20, 0
- b. 10, 30, 20
- c. 60, 5, 0, 20
- d. 60, 30, 0, 20, 0

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5) The \u0021 article referred to as a

- a. Unicode escape sequence
- b. Octal escape
- c. Hexadecimal
- d. Line feed

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6) ____ is used to find and fix bugs in the Java programs.

- a. JVM
- b. JRE
- c. JDK
- d. JDB

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7) Which of the following is a valid declaration of a char?

- a. char ch = '\utea';

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c. `char cr = \u0223;`

d. `char cc = '\itea';`

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8) What is the return type of the `hashCode()` method in the `Object` class?

a. `Object`

b. `int`

c. `long`

d. `void`

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9) Which of the following is a valid long literal?

a. `ABH8097`

b. `L990023`

c. `904423`

d. `0xnf029L`

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10) What does the expression `float a = 35 / 0` return?

a. `0`

b. `Not a Number`

c. `Infinity`

d. `Run time exception`

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11) Evaluate the following Java expression, if `x=3`, `y=5`, and `z=10`:

`++z + y - y + z + x++`

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- b. 23
- c. 20
- d. 25

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12) What will be the output of the following program?

```
public class Test {  
    public static void main(String[] args) {  
        int count = 1;  
        while (count <= 15) {  
            System.out.println(count % 2 == 1 ? "***" : "++++");  
            ++count;  
        } // end while  
    } // end main  
}
```

- a. 15 times ***
- b. 15 times +++++
- c. 8 times *** and 7 times +++++
- d. Both will print only once

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13) Which of the following tool is used to generate API documentation in HTML format from doc comments in source code?

- a. javap tool
- b. javaw command
- c. Javadoc tool
- d. javah command

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↑ [SCROLL TO TOP](#) ring creates a List of 3 visible items and multiple selections abled?

- a. new List(false, 3)
- b. new List(3, true)
- c. new List(true, 3)
- d. new List(3, false)

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15) Which of the following for loop declaration is not valid?

- a. for (int i = 99; i >= 0; i / 9)
- b. for (int i = 7; i <= 77; i += 7)
- c. for (int i = 20; i >= 2; - i)
- d. for (int i = 2; i <= 20; i = 2* i)

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16) Which method of the Class.class is used to determine the name of a class represented by the class object as a String?

- a. getClass()
- b. intern()
- c. getName()
- d. toString()

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17) In which process, a local variable has the same name as one of the instance variables?

- a. Serialization
- b. Variable Shadowing
- c. Abstraction
- d. Multi-threading

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↑ [SCROLL TO TOP](#) Which is true about the anonymous inner class?

- a. It has only methods
- b. Objects can't be created
- c. It has a fixed class name
- d. It has no class name

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19) Which package contains the Random class?

- a. java.util package
- b. java.lang package
- c. java.awt package
- d. java.io package

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20) What do you mean by nameless objects?

- a. An object created by using the new keyword.
- b. An object of a superclass created in the subclass.
- c. An object without having any name but having a reference.
- d. An object that has no reference.

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21) An interface with no fields or methods is known as a _____.

- a. Runnable Interface
- b. Marker Interface
- c. Abstract Interface
- d. CharSequence Interface

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22) Which of the following is an immediate subclass of the Panel class?

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- b. Window class
- c. Frame class
- d. Dialog class

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23) Which option is false about the *final* keyword?

- a. A *final* method cannot be overridden in its subclasses.
- b. A *final* class cannot be extended.
- c. A *final* class cannot extend other classes.
- d. A *final* method can be inherited.

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24) Which of these classes are the direct subclasses of the **Throwable** class?

- a. RuntimeException and Error class
- b. Exception and VirtualMachineError class
- c. Error and Exception class
- d. IOException and VirtualMachineError class

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25) What do you mean by *chained exceptions* in Java?

- a. Exceptions occurred by the VirtualMachineError
- b. An exception caused by other exceptions
- c. Exceptions occur in chains with discarding the debugging information
- d. None of the above

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26) In which memory a String is stored, when we create a string using **new** operator?

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- b. String memory
- c. Heap memory
- d. Random storage space

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27) What is the use of the intern() method?

- a. It returns the existing string from memory
- b. It creates a new string in the database
- c. It modifies the existing string in the database
- d. None of the above

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28) Which of the following is a marker interface?

- a. Runnable interface
- b. Remote interface
- c. Readable interface
- d. Result interface

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29) Which of the following is a reserved keyword in Java?

- a. object
- b. strictfp
- c. main
- d. system

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30) Which keyword is used for accessing the features of a package?

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- c. extends
- d. export

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31) In java, jar stands for_____.

- a. Java Archive Runner
- b. Java Application Resource
- c. Java Application Runner
- d. None of the above

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32) What will be the output of the following program?

```
public class Test2 {  
    public static void main(String[] args) {  
        StringBuffer s1 = new StringBuffer("Complete");  
        s1.setCharAt(1,'i');  
        s1.setCharAt(7,'d');  
        System.out.println(s1);  
    }  
}
```

- a. Complete
- b. Iomplede
- c. Cimpletd
- d. Coipletd

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33) Which of the following is false?

- a. The rt.jar stands for the runtime jar

↑ [SCROLL TO TOP](#) jar file

- c. It contains all the compiled class files
- d. All the classes available in rt.jar is known to the JVM

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34) What is the use of \w in regex?

- a. Used for a whitespace character
- b. Used for a non-whitespace character
- c. Used for a word character
- d. Used for a non-word character

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35) Which of the given methods are of Object class?

- a. notify(), wait(long msec), and synchronized()
- b. wait(long msec), interrupt(), and notifyAll()
- c. notify(), notifyAll(), and wait()
- d. sleep(long msec), wait(), and notify()

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36) Given that Student is a class, how many reference variables and objects are created by the following code?

```
Student studentName, studentId;  
studentName = new Student();  
Student stud_class = new Student();
```

- a. Three reference variables and two objects are created.
- b. Two reference variables and two objects are created.
- c. One reference variable and two objects are created.
- d. Three reference variables and three objects are created.

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37) Which of the following is a valid syntax to synchronize the HashMap?

- a. Map m = hashMap.synchronizeMap();
- b. HashMap map =hashMap.synchronizeMap();
- c. Map m1 = Collections.synchronizedMap(hashMap);
- d. Map m2 = Collection.synchronizeMap(hashMap);

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38) Given,

```
ArrayList list = new ArrayList();
```

What is the initial quantity of the ArrayList list?

- a. 5
- b. 10
- c. 0
- d. 100

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39) Which of the following is a mutable class in java?

- a. java.lang.String
- b. java.lang.Byte
- c. java.lang.Short
- d. java.lang.StringBuilder

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40) What will be the output of the following program?

```
abstract class MyFirstClass
{
    abstract num (int a, int b) { }
```

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- a. No error
- b. Method is not defined properly
- c. Constructor is not defined properly
- d. Extra parentheses

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41) What is meant by the classes and objects that depends on each other?

- a. Tight Coupling
- b. Cohesion
- c. Loose Coupling
- d. None of the above

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42) Given,

```
int values[ ] = {1,2,3,4,5,6,7,8,9,10};  
for(int i=0;i< Y; ++i)  
System.out.println(values[i]);
```

Find the value of value[i]?

- a. 10
- b. 11
- c. 15
- d. None of the above

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43) Which of the following code segment would execute the stored procedure "getPassword()" located in a database server?

- a. CallableStatement cs = connection.prepareCall("{call.getPassword()}");
cs.executeQuery();

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- b. CallableStatement callable = conn.prepareCall("{call getPassword()}");
callable.executeUpdate();
- c. CallableStatement cab = con.prepareCall("{call getPassword()}");
cab.executeQuery();
- d. Callablestatement cstate = connect.prepareCall("{call getpassword()}");
cstate.executeQuery();

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44) How many threads can be executed at a time?

- a. Only one thread
- b. Multiple threads
- c. Only main (main() method) thread
- d. Two threads

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45) If three threads trying to share a single object at the same time, which condition will arise in this scenario?

- a. Time-Lapse
- b. Critical situation
- c. Race condition
- d. Recursion

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46) If a thread goes to sleep

- a. It releases all the locks it has.
- b. It does not release any locks.
- c. It releases half of its locks.
- d. It releases all of its lock except one.

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47) Which of the following modifiers can be used for a variable so that it can be accessed by any thread or a part of a program?

- a. global
- b. transient
- c. volatile
- d. default

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48) What is the result of the following program?

```
public static synchronized void main(String[] args) throws  
InterruptedException {  
    Thread f = new Thread();  
    f.start();  
    System.out.print("A");  
    f.wait(1000);  
    System.out.print("B");  
}
```

- a. It prints A and B with a 1000 seconds delay between them
- b. It only prints A and exits
- c. It only prints B and exits
- d. A will be printed, and then an exception is thrown.

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49) In character stream I/O, a single read/write operation performs ____.

- a. Two bytes read/write at a time.
- b. Eight bytes read/write at a time.
- c. One byte read/write at a time.
- d. Five bytes read/ write at a time.

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