socrative
by Mastery**Connect**

Mphasis Java Test

Total Questions: 40

Most Correct Answers: **#9**

Least Correct Answers: **#3**

1. Java's multithreading is platform

19/23 (A) Dependent

4/23 (B) Independent

0/23 (C) None

2. Which one of the following methods keeps the Thread t in run state?

16/23 (A) t.start()

7/23 (B) t.run()

0/23 (C) t.setRun()

0/23 (D) t.stop();

3. Which of these is not a correct statement?

1/23 (A) Every class containing abstract method must be declared abstract.

4/23 (B) Abstract class defines only the structure of the class not its implementation.

18/23 (C) Abstract class can be initiated by new operator.

0/23 (D) Abstract class can be inherited.

4. Which of these keywords is used to make a class?

23/23 (A) class

0/23 (B) structure

0/23 (C) int

0/23 (D) None of above

5. Which of the following statements is TRUE? (select one)

4/23 (A) The Java compiler always adds a default constructor to a user defined class.

1/23 (B) Each instantiated object will have its own copy of a class variable.

6/23 (C) When an object is passed to a method, a copy of each of the object's data members are created and passed to the method.

12/23 (D) A class can have multiple constructors.

6. Which of the following is TRUE about the piece of JAVA code below if we judge the statements independently?
1. final double PI;
2. int radius = Integer.parseInt("3.5");
3. double area = Math.PI * Math.pow(radius, 2);

14/23   **A**   The third statement computes the area of a circle whose radius is in variable radius.

5/23   **B**   The first statement correctly declares the constant PI.

4/23   **C**   The second statement correctly obtains the radius from the given string.

0/23   **D**   The third statement incorrectly uses Math.pow.

7. Which of these keywords is not a part of exception handling?

0/23   **A**   try

1/23   **B**   finally

22/23   **C**   thrown

0/23   **D**   catch

8. Can you make a constructor final?

2/23   **A**   True

21/23   **B**   False

9. Which of the following is NOT a key component of object oriented programming?

0/23   **A**   Inheritance

0/23   **B**   Encapsulation

0/23   **C**   Polymorphism

23/23   **D**   Parallelism

10. What is byte code in the context of Java?

19/23   **A**   The type of code generated by a Java compiler

4/23   **B**   The type of code generated by a Java Virtual Machine

0/23   **C**   It is another name for a Java source file

0/23   **D**   It is the code written within the instance methods of a class.

11. **Which of these keywords are used to define an abstract class?**

0/23   Ⓐ   abt

4/23   Ⓑ   abstrat

3/23   Ⓒ   Abstract

16/23   **Ⓓ**   abstract class

12. **What is the value of y when the code below is executed?**

```
int x = 4;
int y = (int)Math.ceil(x % 5 + x / 5.0);
```

6/23   Ⓐ   1

1/23   Ⓑ   6

11/23   **Ⓒ**   5

5/23   Ⓓ   4

13. **Is delete, next, main, exit or null keyword in java?**

11/23   Ⓐ   True

11/23   **Ⓑ**   False

14. **What is stored in the object obj in following lines of code?**

Box obj;

6/23   Ⓐ   Memory address of allocated memory of object.

13/23   **Ⓑ**   NULL

3/23   Ⓒ   Any arbitrary pointer

1/23   Ⓓ   Garbage

15. **When Exceptions in Java does arise in code sequence?**

10/23   **Ⓐ**   Run Time

3/23   Ⓑ   Compilation Time

10/23   Ⓒ   Can Occur Any Time

0/23   Ⓓ   None of the mentioned

16. **sleep(50);**

The above statement of a thread implies that the thread will get the processor-time

13/23 (A) any moment after 50 milliseconds

10/23 (B) exactly after 50 milliseconds

0/23 (C) even before 50 milliseconds if the processor is idle

0/23 (D) none

17. **What will happen if two thread of same priority are called to be processed simultaneously?**

9/23 (A) Any one will be executed first lexographically

7/23 (B) Both of them will be executed simultaneously

0/23 (C) None of them will be executed

7/23 (D) It is dependent on the operating system

18. **Which keyword is used by method to refer to the object that invoked it?**

1/23 (A) import

0/23 (B) catch

0/23 (C) abstract

22/23 (D) this

19. **Which of these classes are used by Byte streams for input and output operation?**

13/23 (A) InputStream

5/23 (B) InputOutputStream

0/23 (C) Reader

5/23 (D) All of the mentioned

20. **If I don't provide any arguments on the command line, then the String array of Main method will be**

5/23 (A) empty

15/23 (B) null

2/23 (C) empty & null

0/23 (D) none of the above

21. If a class inheriting an abstract class does not define all of its function then it will be known as?

17/23   **A**   abstract

3/23   B   A simple class

0/23   C   static class

2/23   D   None of the mentioned

22. Which of these is TRUE of the relationship between objects and classes?

1/23   A   A class is an instance of an object.

0/23   B   An object is the ancestor of its subclass.

21/23   **C**   An object is an instance of a class.

0/23   D   An object is the descendant of its superclass.

23. What is garbage collection in the context of Java?

0/23   A   The operating system periodically deletes all of the java files available on the system.

1/23   B   Any package imported in a program and not used is automatically deleted.

17/23   **C**   When all references to an object are gone, the memory used by the object is automatically reclaimed.

4/23   D   The JVM checks the output of any Java program and deletes anything that doesn't make sense.

24. What is multithreaded programming?

3/23   A   It's a process in which two different processes run simultaneously.

18/23   **B**   It's a process in which two or more parts of same process run simultaneously.

0/23   C   It's a process in which many different process are able to access same information.

1/23   D   It's a process in which a single process can access information from many sources.

25. Thread priority in Java is?

19/23   **A**   integer

0/23   B   float

0/23   C   long

3/23   D   double

26. Which of these is not abstract?

9/23 (A) Thread

4/23 (B) AbstractList

5/23 (C) List

3/23 (D) Lone of above

27. Which of these is used to perform all input & output operations in Java?

19/23 (A) streams

1/23 (B) variables

2/23 (C) classes

0/23 (D) methods

28. What is the range of the random number r generated by the code below?

int r = (int)(Math.floor(Math.random() * 8)) + 2;

2/23 (A) 3 <= r <= 10

0/23 (B) 3 <= r <= 9

12/23 (C) 2 <= r <= 10

7/23 (D) 2 <= r <= 9

29. Can we Overload main() method?

6/23 (A) True

15/23 (B) False

30. What is the return type of Constructors?

0/23 (A) int

0/23 (B) float

4/23 (C) void

18/23 (D) none of above

31. **Which of these statements is incorrect?**

4/23   (A)   try block need not to be followed by catch block.

1/23   (B)   try block can be followed by finally block instead of catch block.

1/23   (C)   try can be followed by both catch and finally block.

16/23   (D)   try need not to be followed by anything.

32. **FileOutputStream class store the data in the form of _____**

2/23   (A)   character

4/23   (B)   file

16/23   (C)   bytes

0/23   (D)   bit

33. **Which of these keywords are used for the block to be examined for exceptions?**

21/23   (A)   try

0/23   (B)   catch

1/23   (C)   throw

0/23   (D)   check

34. **Can there be abstract method without abstract class?**

5/23   (A)   True

17/23   (B)   False

35. **The Java compiler translates source code into**

1/23   (A)   Machine code

1/23   (B)   Assembly code.

18/23   (C)   Byte code.

2/23   (D)   JVM code.

36. Which of the following is NOT true?

1/23   (A)   Both float and double represent real numbers.

11/23   **(B)**   long can present a larger range of values than double.

7/23   (C)   The size of long and double is the same.

3/23   (D)   char is not a numeric data type.

37. Which of the following is a valid declaration of an object of class Box?

21/23   **(A)**   Box obj = new Box();

1/23   (B)   Box obj = new Box;

0/23   (C)   obj = new Box();

0/23   (D)   new Box obj;

38. What is the output of the following code if the input string is "CS 180"?
.
```
Scanner scanner = new Scanner();
String str;
str = scanner.next();
System.out.print(str);
```

3/23   (A)   CS180

9/23   (B)   CS

2/23   (C)   CS 180

8/23   **(D)**   The above code fragment does not compile.

39. Which of these keywords must be used to monitor for exceptions?

14/23   **(A)**   try

0/23   (B)   finally

2/23   (C)   throw

6/23   (D)   catch

40. Which of these packages contain all the Java's built in exceptions?

4/23   (A)   java.io

3/23   (B)   java.util

15/23   **(C)**   java.lang

0/23   (D)   java.net