# Pre-Test –Java

Part – 1 : MCQ based knowledge based assessment

Part – 2 : Skill Based Assessment : Where the trainees has to Execute the program

Part 1

Number of Questions: 20 Marks: 20 Duration: 30 minutes

1. **Which of the following statements are true about Java? Select all that apply**
2. Java code is platform-independent.
3. Java code is the same as JavaScript.
4. Java is an object-oriented programming language.
5. A Java program executes a single thread at any given time.
6. **In a Java program, which of the following is not a part of an object’s definition?**
7. Description
8. Methods
9. Associations with other objects
10. Name
11. **If you want your conditional to depend on two conditions, BOTH being true, which of the following is the proper notation to put between the two Boolean statements?**
12. &
13. &&
14. |
15. ||
16. **The last value in an array called arrayList can be found at index:**
17. 0
18. 1
19. arrayList.length
20. arrayList.length - 1
21. **What will be the value of “SumOfNum” after the following statements?**

Int SumOfNum;

SumOfNum = (2+1);

SumOfNum = SumOfNum / 3;

SumOfNum = 3;

1. 0
2. 1
3. 3
4. SumOfNum
5. **In the inheritance principle, which of the following can a derived subclass object directly access?**
6. A private superclass member
7. A public or private superclass member
8. A protected, public or private superclass member
9. A public superclass member (and protected subclass members)
10. **Which of the following is the correct data type for this value: 0?**
11. int
12. double
13. String
14. boolean
15. **What will the result of this statement be?**

int age = 71.6;

1. Runtime error
2. Compilation error
3. 71.6 assigned to age
4. 72 assigned to age
5. **How can you prevent a member variable from becoming serialized?**
6. By marking it private
7. By marking it volatile
8. By marking it transient
9. Cannot be prevented
10. **Which of the following is the syntax to define the Java main method?**
11. public static void main()
12. public void main(String[] args)
13. public static void main(String args[])
14. public static void main(string[] args)
15. **On which of the following operating systems does Java run?**
16. Windows
17. Unix/Linux
18. Mac
19. All of the above
20. **Which of the following Java packages provides various classes, such as Object, System, and Class?**
21. java.lang
22. java.util
23. java.awt
24. java.net
25. **What function does the Wrapper class in the java.lang package perform?**
26. It supports operations on strings and characters.
27. It provides a standard interface to input, output, and error devices.
28. It supports runtime processing of the class information of an object.
29. It represents the primitive data types, such as int, char, and double, as objects.
30. **Which of the following methods accepts one parameter of data type, double and returns the double value of the next higher integer of the parameter?**
31. ceil()
32. floor()
33. abs()
34. max()
35. **Which of the following methods not the part of java Thread class?**
36. Join
37. Wait
38. Notify
39. Sleep
40. Suspend
41. None of the above
42. **Which of the following class is Thread safe?**
43. String
44. StringBuffer
45. StringBuilder
46. All of the above
47. String and StringBuffer
48. **Predict the output of the following code?**

**public static void main(String args[])**

**{**

**int x=10;**

**x++;**

**int y=++x;**

**x++;**

**System.out.println(x);**

**}**

1. Compilation error
2. 13
3. 11
4. 12
5. None of the above
6. **Predict the output of the following code?**

**Class test{**

**int x=10;**

**public static void main(String args[])**

**{**

**x+=10;**

**System.out.println(x);**

**}**

1. Compilation error
2. 10
3. 20
4. 11
5. None of the above
6. **Predict the output of the following code?**

**public static void main(String args[])**

**{**

**Int x=10;**

**float y=10.5;**

**int y=x+y;**

**x++;**

**System.out.println(x);**

**}**

1. Compilation error
2. 13
3. 11
4. 12
5. None of the above

**20) which of the following is a checked exception**

a) NullPointerException

b)NumberFormatException

c) ArrayIndexOutOfBoundsException

d)FileNotFoundException

e)ClassNotFoundException

Part – 2 : Skill Based Assessment : Where the trainees has to Execute the program

Duration 30 minutes

* Write a java program to reverse the given string and count number of vowels and consonants in the given string

Example:

Input -> hello welcome to java world

Output->dlrow avaj ot emoclew olleh , the given string contains 9 vowels and 14 consonants

* Write a java program to count the number of digits in a given number of type int

Example:

Input -> 987654321

Output-> the given number contains 9 digits