

Java assessment BC-102

Points: 17/25

✓ **Correct** 1/1 Points

1. What will be the output of the following Java program?

```
import java.util.*;
class CollectionAlgos
{
    public static void main(String args[])
    {
        LinkedList list = new LinkedList();
        list.add(new Integer(2));
        list.add(new Integer(8));
        list.add(new Integer(5));
        list.add(new Integer(1));
        Iterator i = list.iterator();
        Collections.reverse(list);
        while(i.hasNext())
            System.out.print(i.next() + " ");
    }
}
```

☐ 2 8 5 1

☒ 1 5 8 2

☐ 2

✓ **Correct** 1/1 Points

2. Which of the following phase-in maven lifecycle performs actions required after integration tests have been executed? For example, cleaning up the environment

☒ post-integration-test

☐ pre-integration-test

☐ integration-test

☐ None of the above

✓ **Correct** 1/1 Points

3. Predict the output of below code ?

```
class Addition {  
    void add(int x, int y) {  
        int z;  
        z = x + y;  
        System.out.println(z);  
    }  
    int add(int x, int y) {  
        int z;  
        z = x * y;  
        System.out.println(z);  
        return z;  
    }  
}  
  
public class PS1 {  
    public static void main(String args[]) {  
        Addition a = new Addition();  
        a.add(10, 20);  
    }  
}
```

- ☐ 30
- ☐ 200
- ☐ Runtime error
- ☒ Compile time error

✓ **Correct** 1/1 Points

4. All the variables of interface should be?

- ☐ default and final
- ☐ default and static
- ☒ public, static and final
- ☐ protect, static and final

✗ **Incorrect** 0/1 Points

5. _____ loads the .class file into JVM

- ☐ libraries
- ☐ java development kit
- ☒ Compiler
- ☐ Class Loader

✓ **Correct** 1/1 Points

6. What is the result when this code is executed?

```
class One {  
    public One() { System.out.print(1); }  
}  
class Two extends One {  
    public Two() { System.out.print(2); }  
}  
class Three extends Two {  
    public Three() { System.out.print(3); }  
}  
public class Numbers{  
    public static void main( String[] argv )  
  
    {  
  
        new Three(); }  
}
```

- ☐ 1
- ☐ 2
- ☒ 123
- ☐ 321

✓ **Correct** 1/1 Points

7. What will be the output of the following Java program?

```
class ExceptionHandling  
{  
    public static void main(String args[])  
    {  
        try  
        {  
            int i, sum;  
            sum = 10;  
            for (i = -1; i < 3 ;++i)  
                sum = (sum / i);  
        }  
    }  
}
```

```
    }  
    catch(ArithmeticException e)  
    {  
        System.out.print("0");  
    }  
    System.out.print(sum);  
}  
}
```

- ☐ 0
- ☐ 05
- ☒ Compilation Error
- ☐ Runtime Error

✗ **Incorrect** 0/1 Points

8. Which exception is thrown when java is out of memory?

- ☐ MemoryError
- ☐ OutOfMemoryError
- ☒ MemoryOutOfBoundsException
- ☐ MemoryFullException

✗ **Incorrect** 0/1 Points

9. In the below code where p will be stored?

```
public class PS1  
{  
    public static void main(String...arg)  
    {  
        PS1 p=new PS1();
```

```
}  
}
```

- ☐ Stack
- ☒ Heap
- ☐ Method area
- ☐ Constant pool

✗ **Incorrect** 0/1 Points

10. Which of the following is not type of Maven Repository?

- ☒ Local
- ☐ Remote
- ☐ Maven Central
- ☐ Maven Local

✓ **Correct** 1/1 Points

11. Which one of the following is not an access modifier?

- ☐ Protected
- ☒ Void
- ☐ Public
- ☐ Private

✓ **Correct** 1/1 Points

12. What would be the behaviour if one parameterized constructor is explicitly defined?

- ☐ Compilation error
- ☐ Compilation succeeds
- ☐ Runtime error
- ☒ Compilation succeeds but at the time of creating object using default constructor, it throws compilation error

✓ **Correct** 1/1 Points

13. Predict the output of the code ?

```
public class PS  
  
{  
    static int k=10;  
    final Public static void main(String args[])  
    {  
        PS s1=new PS();  
        System.out.println(PS.k);  
        System.out.println(k);  
        System.out.println(s1.k);  
    }  
}
```

- ☐ 10 10 10
- ☐ 10 10 0
- ☐ Runtime error
- ☒ Compile time error

✓ **Correct** 1/1 Points

14. Which of the following method is used to perform DML statements in JDBC?

- ☐ executeResult()
- ☐ executeQuery()
- ☒ executeUpdate()
- ☐ execute()

✓ **Correct** 1/1 Points

15. JUnit test files are written in files with which file extension?

- ☐ .unit
- ☒ .java
- ☐ .test
- ☐ .junit

✗ **Incorrect** 0/1 Points

16. What is not the use of "this" keyword in Java?

- ☐ Referring to the instance variable when a local variable has the same name
- ☐ Passing itself to the method of the same class
- ☐ Passing itself to another method

☒ Calling another constructor in constructor chaining

✓ **Correct** 1/1 Points

17. What are the major components of the JDBC?

- ☒ DriverManager, Driver, Connection, Statement, and ResultSet
- ☐ DriverManager, Driver, Connection, and Statement
- ☐ DriverManager, Statement, and ResultSet
- ☐ DriverManager, Connection, Statement, and ResultSet

✓ **Correct** 1/1 Points

18. Which of the following is a type of polymorphism in Java Programming?

- ☐ Multiple polymorphism
- ☒ Compile time polymorphism
- ☐ Multilevel polymorphism
- ☐ none of the Above

✗ **Incorrect** 0/1 Points

19. What will be the output of the following Java program?

```
interface Calculate
{
    void cal(int item);
}
class Display implements Calculate
{
```

```
int x;  
public void cal(int item)  
{  
    x = item * item;  
}  
}  
class Interfaces  
{  
    public static void main(String args[])  
    {  
        display arr = new display();  
        arr.x = 0;  
        arr.cal(2);  
        System.out.print(arr.x);  
    }  
}
```

- ☒ 0
- ☐ 2
- ☐ 4
- ☐ None of the mentioned

✓ **Correct** 1/1 Points

20. Which of this interface must contain a unique element?

- ☒ Set
- ☐ List
- ☐ Array
- ☐ Collection

✓ **Correct** 1/1 Points

21. Which of the following is used to rollback a JDBC transaction?

- ☒ rollback()
- ☐ rollforward()
- ☐ deleteTransaction()
- ☐ RemoveTransaction()

✗ **Incorrect** 0/1 Points

22. Which function is used to perform some action when the object is to be destroyed?

- ☐ finalize()
- ☐ delete()
- ☒ main()
- ☐ none of the mentioned

✗ **Incorrect** 0/1 Points

23. What will be the output of the following Java code?

```
class A
{
    public int i;
    private int j;
}
class B extends A
{
    void display()
```

```
    {  
        super.j = super.i + 1;  
        System.out.println(super.i + " " + super.j);  
    }  
}  
class Inheritance  
{  
    public static void main(String args[])  
    {  
        B obj = new B();  
        obj.i=1;  
        obj.j=2;  
        obj.display();  
    }  
}
```

- ☐ 2 2
- ☐ 3 3
- ☒ Runtime Error
- ☐ Compilation Error

✓ **Correct** 1/1 Points

24. What does setAutoCommit(false) do?

- ☐ commits transaction after each query
- ☐ explicitly commits transaction
- ☒ does not commit transaction automatically after each query
- ☐ never commits transaction

✓ **Correct** 1/1 Points

25. Which statements are true of the following:

- ☐ Strings are mutable
- ☐ Duplicates are not allowed in non-constant pool
- ☐ Duplicates are allowed in constant pool
- ☒ Duplicates are allowed in non-constant pool

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