

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

An exception can be thrown explicitly by using the _____ keyword.

Select one:

- ☐ catch
- ☒ throw ✓
- ☐ throws
- ☐ finally

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

```
class ProductNotFoundException extends Exception {
//Some code
}

class Shop {
    public void findProduct(int productId) throws ProductNotFoundException {
        //some code
        throw new ProductNotFoundException();
        //some code
    }
}

class ABCShop{
    public void findProductsList(){
        new Shop().findProduct(101);
    }
}
```

Which of the following statements are true for the above code?

Select one or more:

- ☒ This code will compile if we add a try-catch block in findProductsList(). ✓
- ☐ This code will compile but returns no output
- ☒ This code will compile if we add throws ProductNotFoundException in the signature of method findProductsList(). ✓
- ☐ This code will compile if in method findProductsList () returns a list instead of void

Question

3

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Predict the output

```
class Parent{  
    public int display(String str, int... data)throws Exception{  
        String s = "(String, int[])";  
        System.out.println("Parent "+str+ " " + s);  
        return 1;  
    }  
}  
  
class Child extends Parent{  
    public int display(String str, int... data){  
        String s = "(String, int[])";  
        System.out.println("Overridden: "+ str+" " +s);  
        return 0;  
    }  
}  
  
public static void main(String... args) {  
    try {  
        Parent sb = new Child();  
        sb.display("Welcome", 5);  
    }  
    catch(Exception e) {  
  
    }  
}
```

Select one:

- ☐ Parent Welcome (String, int[])
- ☐ Run time error
- ☒ Overridden: Welcome (String, int[]) ✓
- ☐ Compilation fails

Question

4

Correct

Mark 1.00 out of 1.00

🚩 Flag question

The _____ statement automatically closes all resources opened in the try clause.

Select one:

- ☒ Try with resources ✓
- ☐ Try with static
- ☐ Try with multcatch
- ☐ All the above options

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Predict the output.

```
public class Sample {  
    public static void main(String args[]) {  
        try {  
            int i = 10,j=0,k=0;  
            System.out.println ("i="+i+" j="+j);  
            k = i / j;  
            System.out.println ("k=" + k);  
        }  
        catch(ArithmeticException e) {  
            System.out.println ("Divide by zero");  
        }  
        finally {  
            System.out.println ("finally block gets executed");  
        }  
    }  
}
```

Select one:

- ☒ i=10 j=0
Divide by zero
finally block gets executed ✓
- ☐ Divide by zero
finally block gets executed
- ☐ i=10 j=0
Divide by zero
k=0
finally block gets executed
- ☐ i=10 j=0
Divide by zero
finally block gets executed
k=0

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

When a code needs to be executed whether or not an exception occurs, that code can be written in ____ block.

Select one:

- ☐ try
- ☐ catch
- ☒ finally ✓
- ☐ throw

Question

7

Correct

Mark 1.00 out of 1.00

Flag question

Observe the code.

```
public class Sample {  
    public static void main(String args[]) {  
        int i=10,j=0,k;  
        try {  
            k=i/j;  
        }  
        catch(Exception e) {  
            System.out.println("Exception");  
        }  
        catch(ArithmeticException e) {  
            System.out.println("Arithmetic exception");  
        }  
    }  
}
```

Predict the output.

Select one:

- ☐ Exception
ArithmeticException
- ☐ Runtime exception
- ☐ ArithmeticException
- ☐ ArithmeticException
Exception
- ☒ Compilation Fails ✓