**Question 1**

**2 / 2 pts**

**\_\_\_\_\_\_\_**is a template that defines objects of the same type.



A data field



A method



A class



An object

**Question 2**

**2 / 2 pts**

**Given the declaration Circle x = new Circle(), which of the following statements is most accurate.**



You can assign an int value to x.



x contains an int value.



x contains a reference to a Circle object.

**Question 3**

**2 / 2 pts**

What happens when this is run

public class Test {  
 public static void main(String[] args) {  
 double radius;  
 final double PI = 3.14159;  
 double area = radius \* radius \* PI;  
 System.out.println("Area is " + area);  
 }  
}



The program compiles and runs fine.



The program has compile errors because the variable radius is not initialized.

**Question 4**

**2 / 2 pts**

 Inheritance means \_\_\_\_\_\_\_\_\_\_\_\_\_\_.



that a class can contain another class



that a class can extend another class



that data fields should be declared private

**Question 5**

**2 / 2 pts**

The main method should have which identifier

(Please select all that apply)



public



protected



Static



private

**Question 6**

**1 / 1 pts**

An object is an instance of a **\_\_\_\_\_\_\_\_\_\_.**



Method



Class



Program



Data

**Question 7**

**2 / 2 pts**

Which class contains the method for checking whether a file exists?



System



Scanner



File



PrintWriter

**Question 8**

**2 / 2 pts**

Which method can be used to read a whole line from the file?



next



nextInt



nextDouble



nextLine

**Question 9**

**2 / 2 pts**

Which method can be used to create an input object for file temp.txt?



new Scanner(temp.txt)



new Scanner("temp.txt")



new Scanner(new File("temp.txt"))

**Question 10**

**2 / 2 pts**

Which method can be used to create an output object for file temp.txt? Please select all that apply.



new PrintWriter(new File("temp.txt"))



new PrintWriter(File("temp.txt"))



new PrintWriter(temp.txt)

**Question 11**

**2 / 2 pts**

What exception type does the following program throw?

public class Test {  
  public static void main(String[] args) {  
    System.out.println(1 / 0);  
  }  
}



ArrayIndexOutOfBoundsException



No exception



ArithmeticException



StringIndexOutOfBoundsException

**IncorrectQuestion 12**

**0 / 2 pts**

**What will happen when you compile and run the following code?**

public class Test{

public static void main(String[] args){

int i = 10;

int j = 25;

System.out.println(i + ' ' + j);

}

}



The code will not compile



37



10 25

**Question 13**

**2 / 2 pts**

What is the use of try & catch?



All of the mentioned



It allows to fix errors



It allows us to manually handle the exception



It prevents automatic terminating of the program in cases when an exception occurs

**Question 14**

**2 / 2 pts**

 What will be the output of the following Java code?

public class Output {  
 public static void main(String args[]) {  
 try {  
 int a = 0;  
 int b = 5;  
 int c = b / a;  
 System.out.print("Hello");  
}  
 catch(Exception e) {  
 System.out.print("World");  
 }  
 }  
}



World



Hello



Compilation error

**Question 15**

**1 / 1 pts**

 Which of these keywords is used to make a class?



class



int



none of the mentioned



struct

**Question 16**

**2 / 2 pts**

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



obj = new Box();



Box obj = new Box();



new Box obj;



Box obj = new Box;

**Question 17**

**2 / 2 pts**

Which concept of Java is achieved by combining methods and Data fields into a class?



Encapsulation



Abstraction



Inheritance



Polymorphism