IRC_SKCT_Java2_MCQ_Classes&Objects

Test Summary

- No. of Sections: 1
- No. of Questions: 15
- Total Duration: 30 min

Section 1 - MCQ

Section Summary

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- Duration: 30 min

Additional Instructions:

None

Q1.   Output of the below code snippet

```
1  class Main
2  {
3    public static void main(String args[])
4    {
5       Object obj = new Object();
6       System.out.print(obj.getClass());
7    }
8  }
9
```

Object

class Object

class java.lang.Object

Compilation Error

Q2.   Which of these class is a superclass of every class in Java?

String class

Object class

Abstract class

ArrayList class

Q3.   Which of these operators is used to allocate memory for an object?

malloc

alloc

new

give

Q4.   While using parameterized constructor, how to specify the paramter list ?

No need to specify parameter list

Specify the parameter list as the same way it is specified in the method

Order of parameter list is not important

A constructor calls another constructor

Q5.   What is the output of the following code?

```
1   public class Null
2   {
3      public static boolean greet()
4      {
5          System.out.print("Program execute = ");
6          return true;
7      }
8      public static void main(String[] args)
9      {
10         System.out.println(Null.greet());
11     }
12  }
13
```

Program execute = false

Program execute = true

Program execute = 1

Program execute = 0

Q6.   What will be stored in the object obj in the following line of code ?
ItemType obj;

Memory address of allocated memory of object

NULL

Any arbitrary pointer

Garbage

Q7.   What will happen, if only one parameterized constructor is explicitly defined?

Compilation succeeds

Runtime error

Compilation fails when an object is created using default constructor

None of the mentioned options

Q8.   What are the class variables in the following program?

```
1   import java.io.*;
2   import java.util.*;
3   public class IdentifyMyParts {
4       public static int x = 7;
5       public int y = 3;
6   }
7   public class Main {
8       public static void main(String [] args) {
9           IdentifyMyParts a = new IdentifyMyParts();
10          IdentifyMyParts b = new IdentifyMyParts();
11          a.y = 5;
12          b.y = 6;
13          a.x = 1;
14          b.x = 2;
15          System.out.println("a.y = " + a.y);
16          System.out.println("b.y = " + b.y);
17          System.out.println("a.x = " + a.x);
18          System.out.println("b.x = " + b.x);
19          System.out.println("IdentifyMyParts.x = " + IdentifyMyParts.x);
20      }
21
```

x y

x

a

a b

Q9.   Which of the following is true about class Object.
            I. The class Object is a superclass of all other classes.
            II. A variable of type Object can hold reference to any object or a null reference.
            III. You must explicitly extend class Object.
            IV. All class and array types inherit the methods of a class Object.

I and II

I, II and III

I, II and IV

I and IV

Q10.   A single class can have

only one instance

two instances

any number of instances

None of the mentioned options

Q11.   A default constructor _____

has no argument and return type

has one argument

has one argument but no return type

None of the mentioned options

Q12.   All the variables of a class should be ideally declared as ?

private

public

protected

default

Q13.   Output of the below code snippet

```
1   Class A
2   {
3      private String a;
4   }
5   Class Main
6   {
7      public static void main(String[] args)
8      {
9         A obj=new A();
10        obj.a="Hello";
11        System.out.println(obj.a);
12     }
13  }
14  
```

Compilation error

Runtime error

executes successfully and prints "Hello"

None of the mentioned options

Q14.   Output of the below code snippet

```
1   Class Main
2   {
3      public static void main(String args[])
4      {
5         Box a= new Box();
6         Box b= new Box();
7         a=b;
```

```
  8     }
  9   }
 10
 11   |
```

The instance variables in b are given the same values as a

The instance variables in a are given the same values as b

a and b are considered to be the same object

None of the mentioned options

Q15.   Output of the below code snippet

```
 1   class A
 2   {
 3     int i;
 4   }
 5   class Main
 6   {
 7     public static void main(String args[])
 8     {
 9       A a = new A();
10       System.out.println(a.i);
11     }
12   }
13   |
```

0

Garbage value

Compilation error

Runtime error

Section 1 - MCQ

Q1

class java.lang.Object

Solution

No Solution

Q2

Object class

Solution

No Solution

Q3

new

Solution

No Solution

Q4

Specify the parameter list as the same way it is specified in the method

Solution

No Solution

Q5

Program execute = true

Solution

No Solution

Q6

NULL

Solution

No Solution

Q7

Compilation fails when an object is created using default constructor

Solution

No Solution

Q8

x

Solution

No Solution

Q9   I, II and IV

Solution

  No Solution

Q10   any number of instances

Solution

  No Solution

Q11   has no argument and return type

Solution

  No Solution

Q12   private

Solution

  No Solution

Q13   Compilation error

Solution

  No Solution

Q14   a and b are considered to be the same object

Solution

  No Solution

Q15   0

Solution

  No Solution