

# 20\_01\_2022\_OOP\_ICT2155\_PARTA

...

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4

What is the output of code snippet in the image ?

(1 Point)

```
interface TestMe {  
    void show();  
}  
  
public class Demo {  
  
    static TestMe h = new TestMe() {  
        public void show()  
        {  
            System.out.println("inside show");  
        }  
    };  
  
    public static void main(String[] args)  
    {  
        h.show();  
    }  
}
```

runtime error

inside show

class not found error

- compilation error

5

Which of the following should be true of the object thrown by a throw statement?  
(1 Point)

- Should be assignable to String type
- Should be assignable to Exception type
- Should be assignable to Throwable type
- Should be assignable to Error type

6

Example for autoboxing are

- a) Integer a=5;
- b) Float b=3.1f;
- c) Double d=34.5;

(1 Point)

- Only a

- a,b, and c
- a and b
- none of the options

7

What is the output of following code snippet?

```
import static java.lang.System.*;  
  
class test{  
    public static void main (String args[])  
    { out.println("Hello"); }  
}
```

(1 Point)

- Compilation error
- Runtime error
- Hello
- Exception

What is the output of following code snippet?

class output

```
{    public static void main(String args[])
    {
        String a = "hello i love java";
        System.out.println(a.indexOf('i')+" "+a.indexOf('o') +" "+a.lastIndexOf('i')+
        "+a.lastIndexOf('o'));
    }
}
```

(1 Point)

7 8 8 9

5 4 5 9

6 4 6 9

4 3 6 9

9

Which of the following method is used to block the thread?

(1 Point)

- block
- none of the options
- join
- notify

10

Which of the following is partially checked exception

(1 Point)

- Arithmetic Exception
- IOException
- InterruptedException



11

Which of the following are static method(s) of Thread class

- (a) join
  - (b) currentThread
  - (c) sleep
  - (d) synchronize
- (1 Point)

- both a and b
- only d
- only b
- both b and c

What is the output code snippet in image?  
(1 Point)

```
class A{
    int a;
    A(){System.out.print("DA");}
    A(int g) {int a;
    a=g;}
}
class B extends A{
    int b;
    B(){}
    B(int k,int l){int a;
    a=9;b=8; }
}
class C extends B
{
    int c;
    C(){}
    C(int g,int h,int i){ super(h,i);int c; c=g;super.a=10;}
}
class Demo{
    public static void main(String s[]){
        C c=new C();
        System.out.println(c.a+" "+c.b+" "+c.c);
    }
}
```

- DA0 0 0
- 0 0 0
- 0 8 10
- compile error

Which of the following are the methods of ActionListener

(a) getActionCommand

(b) getModifier

(c) getWhen

(d) getSelectedItem

(1 Point)

a and b

c and d

None of these

a and d

14

Which of the following is true when we access the same variable defined in two interfaces implemented by the same class?

(1 Point)

- It shows Compilation failure
- The JVM is not able to identify the correct variable
- The interfaceName.variableName needs to be defined
- It throws Runtime Exception

15

Write the output for the below code segment. Assume program is executed using command line arguments and the argument passed is an integer value 2.

```
static void nesttry(int b)
```

```
{      try
```

```
    {      if(b==1)
```

```
b = b/(b-b);

if(b==2)

{      int c[] = { 1 };

c[1] = 2;

}

}

catch(ArrayIndexOutOfBoundsException e)

{      System.out.println(" Exception 2");

}

public static void main(String args[])

{   try

{   int c = args.length;

int b = 42 / c;

System.out.print("c = " + c);

nesttry(c);

}

}
```

```
    catch(ArithmeticException e)  
  
    { System.out.println(" Exception 1");  }  
  
}
```

(1 Point)

- C=1 Exception 1
- C=1 Exception 2
- C=2 Exception 1
- C=2 Exception 2

What is the error with respect to exception in the following method?

```
void m(){  
    Thread.sleep(10);  
}
```

- A)you need to declare try catch for IOException
- B)you need to declare try catch for InterruptedException
- C)Need to throw IOException
- D) Need to throw InterruptedException
- E)Need to give throws in the header of method m

(1 Point)

- only A
- B and E
- C and E
- A and E

what is the output code snippet in image?  
(1 Point)

```
class A{
    int a;
    A(){System.out.print("DA");}
    A(int g) {int a;
    a=g;}
}
class B extends A{
    int a;
    B(){}
    B(int k,int l){
    a=9; }
}
class C extends B
{
    int c;
    C(){}
    C(int g,int h,int i){ super(h,i);int c; c=g;super.a=10;}
}
class Demo{
public static void main(String s[]){
    C c=new C(1,2,3);
}}
```

- runtime error
- no output
- Compilation error
- DA

Select the most appropriate statement among the following

- (a) Swing components are placed in a container
  - (b) Swing container is a special type of component
  - (c) Swing component is a special type of container
  - (d) Swing container can hold other container
- (1 Point)

both b and c

both a and b

a,b and d

only a

Select the statement which is most appropriate.

- (a) Notify method wakes up the first thread that called wait( ) on the same object
  - (b) Notify method wakes up the highest priority thread that called wait( ) on the same object
  - (c) wakes up all the threads that called wait( ) on the same object
- (1 Point)

- only c
- only b
- none of the options
- only a

What is the output of following code snippet?

```
class exception_handling {  
    public static void main(String args[])  
    { try  
        { int i, sum;  
  
            sum = 10;  
  
            for (i = -1; i < 3 ;++i)  
  
            { sum = (sum / i);  
  
                System.out.print(i);  
  
            }  
        }  
  
        catch(ArithmeticException e)  
        {  
            System.out.print("0");  
        }  
  
    }  
}
```

(1 Point)

- 1
- 10
- 10
- 0

21

Write the output for the below code segment. Assume program is executed using 4 command line arguments and the argument passed are "a" "b" "c" "d".

```
static String str= "a" ;  
  
public static void main(String args[])  
  
{  
  
    method1(args[0], args[1], args[2], args[3]);  
  
    System.out.println(str);  
  
}  
  
static void method1(String q, String w, String e, String r)  
  
{
```

```
try { method2(q,w,e,r); }

catch(Exception ex) { str += "e"; }

finally { str +=r; }

}

static void method2(String q, String w, String e, String r) throws Exception

{

    try {

        str += w;

    catch(Exception ex) {

        throw ex;

    }

    finally { str +=e; }

}

(1 Point)
```

- aabc

- abcd
- ced
- acd

22

What is the output of following code snippet?

class newthread implements Runnable

```
{    Thread t1,t2;  
  
    newthread()  
  
    {    t1 = new Thread(this,"Thread_1");  
  
        t2 = new Thread(this,"Thread_2");  
  
        t1.start();  
  
        t2.start();    }  
  
    public void run()  
  
    {    t2.setPriority(Thread.MAX_PRIORITY);  
  
        System.out.print(t1.equals(t2)); } }
```

```
class multithreaded_programing  
{    public static void main(String args[])  
{        new newthread();    } }
```

(1 Point)

falsefalse

falsetrue

truefalse

truetrue

Select the suitable statement which will give the error free output

```
import java.util.*;  
  
class Outclass{  
  
    void outerfun(){System.out.println("inside outerMethod"); }  
  
    static class Innerclass{  
  
        void display(){System.out.println("inside inner class method");  
  
        outerfun(); } }  
  
}  
  
public class Demo{  
  
    public static void main(String args[]){  
  
        { Outclass.Innerclass obj = new Outclass.Innerclass();  
  
            obj.display(); }  
  
    }  
(1 Point)
```

- void static outerfun()
- static void outerfun()
- static void display()
- static outerfun()

24

Write the output

```
class test {  
  
    public static void main(String args[]) {  
  
        int x = -4, y=4;  
  
        int p=x>>1; int q=y>>1;  
  
        System.out.println(p+" "+q);  
  
    }  
}
```

(1 Point)

- runtime error

compilation error

-2 2

-1 2

25

. In the below code, which code fragment should be inserted at line 3 so that the output will be: "123abc 123abc"?

1 StringBuffer sb1 = new StringBuffer("123");

2 String s1 = "123";

3 // insert code here

4 System.out.println(sb1 + " " + s1);

(1 Point)

sb1.append("abc"); s1.append("abc");

sb1.append("abc"); s1 = s1.concat("abc");

sb1.append("abc"); s1.concat("abc");

sb1.concat("abc"); s1.append("abc");

Write the output of the following program

```
import java.io.IOException;

class test{ public void printme() throws IOException {System.out.println("Derived class");} }

public class TestMe extends test{

    public void printme() throws Exception
    {
        System.out.println("Test class");
    }

    public static void main(String arg[])
    {
        test obj = new test(); obj.printme();
    }
}
```

(1 Point)

- runtime error
- Test class
- Derived class
- compilation error

Write the output for the following code snippet.

```
public class output {  
  
    public static void main(String args[])  
  
    {  
  
        double a, g,c;  
  
        a = 3.0/0;  
  
        g = 3;  
  
        c=0/0.0;  
  
        System.out.println(a +" "+g +" "+c);      }      }  
(1 Point)
```

- Compilation error
- infinity 3.0 NaN
- infinity 3.0 0
- Nan 3.0 infinity

What will be the output of the following Java program?

```
import java.util.*;  
  
class Output  
{  
  
    public static void main(String args[])  
    {  
  
        ArrayList obj = new ArrayList();  
  
        obj.add("A");  
  
        obj.ensureCapacity(3);  
  
        System.out.println(obj.size());  
    }  
}
```

(1 Point)

1

2

4

What will be the output of the following Java program?

```
import java.util.*;  
  
class Arraylist  
{  
  
    public static void main(String args[])  
    {  
  
        ArrayList obj = new ArrayList();  
  
        obj.add("A");  
  
        obj.add("B");  
  
        obj.add("C");  
  
        obj.add(1, "D");  
  
        System.out.println(obj);  
  
    }  
}
```

(1 Point)

- [A,D,B,C]
- [A,C,B,D]]
- [A,B,C,D]
- [D,A,B,C]

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What is the output of code snippet in image?  
(1 Point)

```
import java.io.*;  
  
abstract class Shape {  
    String objectName = "Hello";  
    Shape(String name) { this.objectName = name; }  
  
    public void printval()  
    {  
        System.out.println(objectName);  
    }  
}  
public class Demo {  
    public static void main(String[] args)  
    {  
        Shape rect = new Shape( "Rectangle");  
    }  
}
```

- Compile error
- Runtime error
- Rectangle
- Hello

What is the output of the following code snippet?  
abstract class demo

```
{  
  
    public int val=0; demo() {val=10;}  
  
    abstract final public void display();  
  
}  
  
class Test extends demo{  
  
    final public void display(){ System.out.println("val = "+val); }  
  
    public static void main(String arg[])  
  
    {  
  
        Test obj = new Test();  
  
        obj.display();  
  
    } }  
  
(1 Point)
```

- val=0
- val=10
- Compilation error
- Runtime error

32

Which of the following are methods of Serializable interface

- (a) int read( )
  - (b) int read(byte buffer[ ])
  - (c) int read(byte buffer[ ], int offset, int numBytes)
- (1 Point)

- only a
- All a,b and c
- none of the options
- both a and b

Write the output of following code snippet

```
public class test{  
  
    public int testMe(){return 10;}  
  
    public char testMe(){return 'a'}  
  
    public static void main(String arg[]){  
  
        test m = new test();  
  
        System.out.println(m.testMe());  
  
    }  
  
}
```

(1 Point)

- a
- Compilation error
- Runtime error
- 10

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