II Semester MCA   **Assignment – III**   **Date: 31-05-2021**

Subject : Java Programming [MCA 4253]

Max. Marks : 5   **Time: 30 minutes**

Note: *Refer all questions from this document and Submit your answers in MS-Form.*

1. What will be the output of the following code?

```java
class Exception_Demo
{
    static void Display()
    {
        try
        { throw  new NullPointerException("Null Pointer");  }

        catch(NullPointerException e)
        {
            System.out.println("Null Pointer in Display.");
            throw e;
        }
     }
    public static void main(String args[])
    {
        try
        {
            Display();
        }
        catch(Exception r)
        { System.out.println("Exception caught: "+r); }

        catch(NullPointerException e)
        { System.out.println("Null pointer exception in main()"); }
    }
 }
```

Choose your answer from the options given in the quiz-form.

2. Given the following exception handlers. Which of the following does not produce output as ele<0?

(i)

```java
class ExceptionDemo
{
  public static void main(String args[])
  {
    int a[] = { 5 , -7 , 11 };
    for( int ele : a )
    {
        try
        {
            if( ele < 0 )
                throw new ArithmeticException();

        }
        catch( ArithmeticException e )
        {
            System.out.println("ele<0 ");
        }
        catch( RuntimeException e )
        {
                System.out.println("ele<0 ");
        }
        catch( Exception e )
        {
            System.out.println("ele<0 ");
        }
    }
  }
}
```

(ii)

```java
class NEG_EXC extends Exception
{
  String des;
  NEG_EXC( String ex )
  {
      des = ex;
  }
}
class ExceptionDemo
{
  public static void main(String args[])
  {
    int a[] = { 5 , -7 , 11 };
    for( int ele : a )
    {
        try
        {
            if( ele < 0 )
                throw new NEG_EXC("ele<0");

        }
        catch( Exception e )
        {
            System.out.println( e.des );
        }
    }
  }
}
```

(iii)

```java
class ExceptionDemo
{
  public static void main(String args[])
  {
    int a[] = { 5 , -7 , 11 };
    for( int ele : a )
    {
        try
        {
            if( ele < 0 )
                throw new ArithmeticException();

        }
        catch( NumberFormatException e )
        {
                System.out.println("ele<0 ");
        }
        catch( NullPointerException e )
        {
            System.out.println("ele<0 ");
        }
        catch( Throwable e )
        {
            System.out.println("ele<0 ");
        }
    }
  }
}
```

Choose your answer from the options given in the quiz-form.

3. Given the following class hierarchy, List the fields of class A which are accessible in classes W, X, Y and Z.

Package P1	Package P2

package P1;
class A
{
   private int d;
   int c;
   protected int b;
   public int a;
}
class Z extends A
 {}
 	
class Y
 {}
	import P1.*;
	class X extends A
	{}
	
	class W
	{}

Choose your answer from the options given in the quiz-form.

4.   Given the following program. What will be the output ?

```java
class Course
{
    int code;
    String sub;
    Course(int c,String s)
    {
        code = c ;
        sub = s;
    }
}
```

```java
class Course_Demo
{
    public static void main(String args[])
    {
        Course  C1 = new Course( 4253 , "Java" );
        Course  C2 = new Course( 4253 , "Java" );
        Course C3 = C2;
        if( C1 == C2 )
            System.out.print("(C1 == C2)");
        else
            System.out.print("(C1 != C2)");
        if( C1.equals( C2 ) )
            System.out.print("(C1 == C2)");
        else
            System.out.print("(C1 != C2)");
        if( C2 == C3 )
            System.out.print("(C2 == C3)");
    }
}
```

Choose your answer from the options given in the quiz-form.

5.   Identify the false statement:
   (i)   A class can implement more than one interface
   (ii)   An interface can extend more than one interface
   (iii)   An interface reference can point to an object of any class

Choose your answer from the options given in the quiz-form.

Java [MCA 4253] , Assignment -III : Ans Submission Form. (MCA II Semester 2021- Section A)

Close

Java [MCA 4253] , Assignment -III : Ans

Submission Form. (MCA II Semester 2021-

Section A)

Refer all the questions from the Question paper(Java_Assignment-III) and submit your answers in this Form.

. . .

Points: 3/5

1. What will be the output of the following code?
(1/1 Point)

○ Null pointer exception in main()

○ Null Pointer in Display

○ Exception caught: Null Pointer

◉ Compilation Error

2. Given the following exception handlers. Which of the following does not produce output as
ele<0?
(1/1 Point)

○ (iii)

○ (i)

○ (i) and (iii)

◉ (ii)

Q Search

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Close

3. Given the following class hierarchy, List the fields of class A which are accessible in classes W, X, Y and Z.
(-/1 Point)

○ {a},{a,b},{a,b,c},{a,b,c}

○ {a,b}, {a,b},{a,b,c},{a,b,c}

○ {a}, {a},{a,b,c},{a,b,c}

◉ {a},{a,b},{a,c},{a,b,c}

4. Given the following program. What will be the output ?
(-/1 Point)

○ (C1 != C2)(C1 != C2)(C2 == C3)

◉ (C1 != C2)(C1 == C2)(C2 == C3)

○ (C1 == C2)(C1 != C2)(C2 == C3)

○ (C1 != C2)(C1 != C2)(C2 != C3)

5. Identify the false statement:
(i)   A class can implement more than one interface.
(ii)   An interface can extend more than one interface.
(iii) An interface reference can point to an object of any class.
(1/1 Point)

○ (i)

○ (ii)

◉ (iii)

○ (ii) and (iii)