II Semester MCA   **Assignment – II**   **Date: 22-05-2021**

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 ArgTest
{
        static void Test (int...v)
        {
            for(int x : v) System.out.print (x + " ");

        }

        static void Test (int c,int...v)
        {
            for(int x : v) System.out.print (x + " ");

        }
        public static void main(String args[])
        {
            Test ();
            Test (10);
            Test (15, 18);
        }
    }
```

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

2. Given the following string operation. What will be the output of the program?

```java
class StringDemo
{
  public static void main(String args[])
  {
    String s1= new String("Manipal Institute of Technology,Manipal");
    String s2= new String("Manipal Institute of Technology,Manipal");
    if(s1==s2)
          System.out.print(" s1==s2, ");
     else
          System.out.print(" s1 Not Equal s2, ");
     String[] s3;
     s3=s1.split("\\s");
     System.out.print(s3[3]);
     StringBuffer s4=new StringBuffer(s2);
     StringBuffer s5=s4;
     if(s4==s5)
       System.out.print(" s4==s5, ");
     else
        System.out.print("s4 Not Equal s5 ");

  }
}
```

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

3. Which of the following will not display the output as 10 ?

(i)

```java
class X
{
    int val;
    X()
    { val = 10; }
}

class Y extends X
{
    int val;
    Y()
    { val = 20; }
}

public class InheritanceDemo
{
    public static void main(String[] args)
    {
        X obj = new Y();

        System.out.println( obj.val );
    }
}
```

(ii)

```java
class X
{
    int val = 10;
    X()
    {
        System.out.println( val );
    }
}

class Y extends X
{
    int val;
    Y( int v )
    {
        super.val = v;
    }
}

public class InheritanceDemo
{
    public static void main(String[] args)
    {
        new Y( 20 );
    }
}
```

(iii)

```java
class X
{
    int val;
    X(int v)
    {
        val = v;
        System.out.println( val );
    }
}
class Y extends X
{
    int val;
    Y(int v )
    {
        val = v1;
        super( v );
    }
}
public class InheritanceDemo
{
    public static void main(String[] args)
    {
        Y y = new Y( 10 );
    }
}
```

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

4. Which of the following will not produce the output as "Master of Computer Applications"

(i)

```java
public class string_concat
{
    public static void main(String[] args)
    {
        String S[] = { "Master ", "of ", "Computer ", "Applications" };
        StringBuffer Res = new StringBuffer();
        for( String str : S )
            Res = Res.append(new StringBuffer(str));
        System.out.println( Res );

    }
}
```

(ii)

```java
public class string_concat
{
    public static void main(String[] args)
    {
        String S[] = { "Master ", "of ", "Computer ", "Applications" };
        String Res = "";
        for( String str : S )
            Res.concat(str);
        System.out.println( Res );
    }
}
```

(iii)

```java
public class string_concat
{
    public static void main(String[] args)
    {
        String S[] = { "Master ", "of ", "Computer ", "Applications" };
        StringBuffer Res = new StringBuffer();
        Res = Res.append(new StringBuffer(S[0])).append(new StringBuffer(S[1]))
                .append(new StringBuffer(S[2])).append(new StringBuffer(S[3]));
        System.out.println( Res );

    }
}
```

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

5. Identify the false statement:
   a. A super class reference can refer a subclass object
   b. An Abstract class reference can be created
   c. A subclass reference can refer a superclass object
   d. A class can be declared as final

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

3. Which of the following will not display the output as 10 ?
   (1/- Points)

   ○ (i) and (ii)

   ◉ (iii)

   ○ (ii)

   ○ (i)

4. Which of the following will not produce the output as "Master of Computer Applications" 🔊
   (1/- Points)

   ○ (iii)

   ○ (i)

   ○ (i) and (iii)

   ◉ (ii)

5. Identify the false statement:

   ◉ A super class reference can refer a subclass object

   ○ A subclass reference can refer a superclass object

   ○ A class can be declared as final

   ○ An Abstract class reference can be created

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

Note:
- All questions are mandatory.
- Refer the question paper & Choose your answer from the given options in this Form.
- You can submit your response only once.
- Total Time : 30 Minutes.

...

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

○ Compilation Error.

○ 10 15 18

○ Nothing printed

○ 10

2. Given the following string operation. What will be the output of the program?

○ s1 Not Equal s2, Technology,Manipal s4==s5

◉ s1==s2,Manipal Technology,Manipal,s4 Not Equal s5

○ s1==s2,,Manipal,s4==s5

○ s1 Not Equal s2 Technology,Manipal,s4 Not Equal s5