



II Semester MCA

Assignment – I

Date: 16-04-2021

Subject: JAVA Programming [MCA 4253]

Max. Marks: 5

Time: 30 minutes

1. Write the complete boolean expression to perform the following task: 1M
Suppose **x** and **y** are two integers. How do you test whether exactly one of them is **zero**.
2. Write input statements in java to read a double value from the keyboard. 1M
3. Given an integer array A, rewrite the following loop using *enhanced for-loop* 1M

```
while( i < A.length ) // i initialized to 0
{
    if( A[i] == target )
        return true;
    i++;
}
```

4. What will be the output of the following code? Justify your answer. 1M

```
1  class calculation_demo
2  {
3      static int a=5;
4      int b=0;
5      static int calculate()
6      {
7          int sum=0;
8          for (int i=0;i<3;i++)
9              sum = sum + this.a * i;
10         return sum;
11     }
12     public static void main(String ars[])
13     {
14         calculation_demo obj = new calculation_demo();
15         calculation_demo.a=4; obj.b=3;
16         System.out.println(" Sum = "+obj.calculate());
17     }
18 }
```

5. What will be the output of the following code? Justify your answer. 1M

```
1  class Test
2  {
3      int x = 10;
4      static void method1()
5      {
6          method2();
7      }
8      void method2()
9      {
10         System.out.println("ALL THE BEST");
11     }
12
13     public static void main(String[] args)
14     {
15         Test t1 = new Test();
16         System.out.println( t1.x );
17         Test.method1();
18     }
19 }
```