

CS-433 – Advanced Programming

Quiz 1 (Sec C), October 25, 2018

Total Marks: 20

Roll No. _____

Time Allowed: 15 min

Q.1. Is it a syntax error to have the constructor of a class as private? If not, how will that class be instantiated?

Q.2. Analyze each of the following segments of code. If a segment of code has one or more compilation errors/syntax errors **indicate and explain** the problem(s). Else, write the **output** of the segment of code.

i)

```
class A {  
    static String s ;  
    public static void main(String args[])  
    {  
        System.out.println("s = " + s);  
    }  
}
```

ii)

```
class MyClass {  
  
    MyClass(String message)  
    {  
        System.out.println("Java rules!");  
    }  
    void myMethod()  
    {  
        System.out.println("Microsoft sucks!");  
    }  
    public static void main(String args[])  
    {  
        MyClass m = new MyClass();  
        m.myMethod();  
    }  
}
```

```
iii) class MyClass {  
    int d=0;  
    int a=40;  
    int b;  
  
    void get(){  
        b = a/d;  
    }  
  
    void test(){  
  
        try{  
            get();  
        }  
        catch(ArrayIndexOutOfBoundsException e)  
        {  
            System.out.println("Caught in test: "+ e);  
        }  
    }  
  
    public static void main (String args[]){  
        try{  
            MyClass m=new MyClass ();  
            m.test();  
        }  
        catch(ArithmeticException e){  
            System.out.println("Caught in main: "+ e);  
        }  
    }  
}
```