

**SUBJECT: Informatics Practices**

**CODE: (065)**

**CLASS: XII**

**TIME ALLOWED: 01 hours**

**MAX. MARKS :25**

**General Instructions:- Attempt all questions**

**Q1. Answer the following questions:**

a) What will be the output of the following code snippet?

```
2
int x= 10;
    int y = 20;
    if ((x<y)||((x=5) > 10))
        System.out.println(x);
    else
        System.out.println(y);
```

b) State the output of the following code :

```
3
int a = 10 , b = 5 ;
if ( a > b ) {
    If ( b > 5 )
        tf1. setText ( " b is " + b );
    }
else
    tf1. setText ( "a is " + a );
```

**Q2. Rewrite the following :**

a) switch statement using if-else statement and display the result using appropriate IDE. 3

```
switch(number){
case 1:
    jLabel2.setText("digits");
    break;
case 10:
    jLabel2.setText("Tens");
```

```

        break;
    case 100:
        jLabel2.setText("Hundreds");
        break;
    case 1000:
        jLabel2.setText("Thousands");
        break;
    default:
        jLabel2.setText("error");
        break;
}

```

b) Rewrite the following program code using a for loop:

```

2
    int i = 1, sum = 0;
    while ( i < 10)
    { sum += i;
      i += 2; }

```

**Q3. Write program for the following:**

- To find out factorial of a number.  
2
- To display first 10 terms of a fibnoacci series.  
3
- takes value for sides of a triangle in jTextField1, jTextField2 and jTextField3 and calculate area of it and display in jTextField4. (Using herons formula)  
3

**Q4. What is difference between jRadioButton and jCheckBox?**

2

**Q5. Find the syntax errors if any in the following programme. Rewrite the corrected code underlining the corrections made:**

a.     int i ; sum=0;

3

```

        i=1;
        while(i=<10)
        {
            sum=sum+i;
            i=i+3

```

```
    }  
    System.println(sum);  
b.   int i , j =5;  
      2  
      i==j+5;  
      if( i = j)  
      {  
          jTextField1.setText("i and j are unequal");  
          jTextField2.setText("They are not equal"); break;  
      }  
      else jTextField1.setText("i and j are unequal");
```