



<b>Class: XI</b> <b>Computer Science</b>	<b>Department: Computer Science</b>	<b>Date of submission:25/09/2023</b>
	<b>Topic: Selection Constructs in Python</b>	

### Section A

1. Identify and correct the problem with following code:

```
if( x=1)
    M = 50
else
    M=15
```

2. What will be the output of the following code fragment?

l) if a = 25 ii) a=12 iii) if a=48

```
if ( a % 3 == 0 and a % 4 ==0)
    b = a * 10
elif (a%8 ==0):
    b = a + 50
else:
    b = a * 20
print("Result", b)
```

3. What are the error(s) in the following code? Correct the code.

```
a, b = 30, 15
if a%3 = 0 :
    c=b*3
    print("Result = ",c)
Elif a%5 == 0
    d=b*5
    Print("Result = ",d)
else:
    f==d*10
    print("Result = ",f)
```

4. Find the errors in the code given below and correct the code:

```
x=25
if d==1
    y==x*2
elif : d==2
```

```
        y=x*3
elif
        d==3:
        y=x*20
else
        y=x*50
print("Value Y = ",y)
```

5. What gets printed with the following code?

```
X=True
Y=False
Z=False
if X or Y and Z:
    print ("Python Lab")
else:
    print ("MySQL Lab")
```

### **Section B**

6. Write a Python program to print the odd numbers from 100 to 200.
7. Write a Python program to check and display whether a No. is multiple of 5 or not.
8. Write a Python program to check and display whether a No. is divisible by 8 or not.
9. Write a menu driven program to print menu driven program to find area of 1.circle 2. Rectangle 3. triangle