



INDIAN SCHOOL AL WADI AL KABIR

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| Class: XI Informatics Practices | Department: Computer Science | Date of submission: |
| Worksheet No: 3 | Topic: Selection Constructs in Python- if else | Execute the programs on IDLE |

Section A

1. What are the Selection Constructs available in Python?
2. Write the syntax of simple if statement?
3. Write the syntax of if..else statement?
4. Identify and correct the problem with following code:

```
if( x=1)
    M = 50
else
    M=15
```
5. What will be the output of the following code fragment?
I) 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)
```
6. 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)
```
7. 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)

```

8. 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")

```

9. What will be the output of the following code ?

```

x,y=30,28
if x+2 >y-5:
    x = x+5
    y = x+ y*2
x = x-10
print(x,y)

```

10. Write a program to input as number and check whether it is a positive number or negative number or zero.

11. Write a program to input a number and check whether it is odd or even.

12. Write a Python program to input of the billamt and calculate and display the discount amount based on the following criteria:

| billamt | discount % |
|----------------|------------|
| 5000 and above | 20 % |
| 2000 - 4999 | 15 % |
| 1000 - 1999 | 10 % |
| 500– 999 | 5 % |
| Less than 500 | 2 % |