



Class: XI Informatics Practices	Department: Computer Science	
Worksheet No: 4	Topic: Selection Constructs in Python	Note: Practice practical questions on your PC

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")

```

Section B

9. Write a Python program to check and display whether a No. is Odd or Even or not.
 10. Write a Python program to check and display whether a No. is multiple of 5 or not.
 11. Write a Python program to check and display whether a No. is divisible by 8 or not.
 12. Write a Python program to find elder person in 2 persons.
 13. Write a Python program to find and display the discount amount of a shopping made by the customer based on the following conditions.

Bill Amount	Discount %
Rs. 5,000 and above	8% of Bill Amount
< Rs. 5,000	Nil

14. Write a Python program to print the Income & Tax of Employee. The Tax calculation is based on the following conditions.

Income	Tax %
< Rs. 20000	5% of Income
Rs. 25001 to Rs. 20000	8% of Income
Above Rs. 25000	15% of Income

[Total Income =Income- Tax]

Display all the information Income &Tax

15. Write a Python program to input a basic salary of an employee and calculate the Special Incentive based on the following criteria:

Basic Salary	Special Incentive
Less than Rs. 3,000	25 % of Basic Salary
Between Rs. 3,000 and Rs. 5,000	35 % of Basic Salary

Between Rs. 5,001 and Rs. 10,000	50 % of Basic Salary
More than Rs. 10,000	75 % of Basic Salary

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