INDIAN SCHOOL AL WADI AL KABIR

|  |  |  |
| --- | --- | --- |
| **Class: XI Informatics**  **Practices** | **Department: Computer Science** | **Date of submission:12-5-23** |
| **Worksheet No: 4** | **Topic: Selection Constructs in Python** | **Note: Practice these 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

1. 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)

1. 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)

1. 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)

1. 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”)