Faculty Higher Secondary School

SAMPLE QUESTION PAPER

Sub: Informatics Practices

Class – XI Commerce

Total Marks: 50

QI: Answer the following questions: **[3 * 2 = 6]**

1) Mention the concept of loop supported by Python.

2) Explain the if statement of Python.

3) Explain the concept of pass statements of Python.

QII: Programming:

1) a) Write Python codes to input two numbers and print their L.C.M.(least common multiple) and G.C.D. (greatest common divisor). **[4]**

b) Write Python codes to print the given pattern: **[3]**

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

c) Write codes to print the sum of all the numbers between a given range. **[4]**

2) Rewrite program after correcting error(s) if any and underline each correction. **[2]**

```
col = input( " Enter color codes : " )
if col = w :
print ( " WHITE  " )
elif col = = ' r ' :
        Print ( " RED " )
        Else :
        print ( " BLUE " )
```

3) Predict output (s) : **[2]**

a)
```
for i in range ( 10 , 20 ) :
        if ( i % 2 = = 0 ) :
                continue
        print ( i )
```

b) **[2]**
```
for val in " String " :
        if val = = ' i ' :
                break
                print ( val )
  print ( " THE END " )
```

c) str = [' I ' , ' N ' , ' D ' , 'I ' , ' A '] **[4]**

```
print ( str [ 0 : 3 ] )
print ( str [ 3 : ] )
print ( str [ : ] )
print ( str [ 0 : 2 ] )
```

d) str = " book " **[1]**

```
print ( list ( str ) )
```

e) L1 = [11 , 12 , 13 , 14 , 15] **[2]**

```
L1 . clear ( )
print ( L1 )
```

f) Rewrite the following codes using while loop. **[2]**

```
for i in range ( 3 , 21 ) :
        if ( x % 3 = = 0 ) :
          print ( i )
```

QIII: Answer the following questions:

1) What is string in Python? How is indexing done for string in Python? **[2 * 2 = 4]**

2) Differentiate between pop ( ) and remove ( ) functions of string. **[3]**

3) Consider the string **str1 = " Global Warming "** . **[4]**

Write statements in Python to implement the following :

a) To display the last four characters of str1.

b) To replace all the occurrences of letter **' a '** in the string with **' * '** .

c) To display the first three characters of the string.

d) To display the word **" War "** from the given string str1.

4) Write the most appropriate list method to perform the following tasks: **[4]**

a) Delete the 3rd element from the list.

b) Add element at the end of the list.

c) Add element at the beginning of the list.

d) Delete a given element from the list.

5) Write Python codes to count the number of each vowel in a given string. **[3]**