

## Review Questions for Class XIII CS and IP students

1. In what two ways, a module is made available (imported) in a Python program? Write the required syntax and an example for each.
2. Write the purpose of the following modules in Python programs?  
a> Urllib b> cmath c> random
3. What are Tokens in Python? Write the type of token for each of the following:  
a> While b> True c> \f d> 4.555
- 4> Name the Python Library modules which need to be imported to invoke the following functions:  
a> **sin()** b> **randint ()**
- 5> Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

```
30=To
for K in range(0,To)
    IF k%4==0:
        print (K*4)
    Else:
        print (K+3)
```

- 6> Out of the four output options provided, what possible outputs(s) is/are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables FROM and TO.

```
import random
AR=[20,30,40,50,60,70];
FROM=random.randint(1,3)
TO=random.randint(2,4)
for K in range(FROM,TO+1):
    print (AR[K],end="##")
```

(i) 10##40##70# (ii) 30##40##50#  
(iii) 50##60##70# (iv) 40##50##70#

- 7> Identify the **type of cyber crime** for the following situations:

- (i) A person complains that Rs. 4.25 lacs have been fraudulently stolen from his/her account online via some online transactions in two days using NET BANKING.
- (ii) A person complains that his/her debit/credit card is safe with him still some body has done shopping/ATM transaction on this card.
- (iii) A person complains that somebody has created a fake profile on Facebook and defaming his/her character with abusive comments and Pictures

- 8> Software Development Company has set up its new center at Raipur for its office and web based activities. It has 4 blocks of buildings named Block A, Block B, Block C, Block D.

Number of Computers in the blocks are as follows:

Block A : 25    Block B : 50    Block C : 125    Block D : 10

Shortest distances between various Blocks in meters are as follows:

Block A to Block B 60 m

Block B to Block C 40 m

Block C to Block A 30 m

Block D to Block C 50 m

Answer the following questions based on the above information:

(i) Suggest the most suitable place (i.e. block) to house the server of this company with a suitable reason.

(ii) Suggest the type of network to connect all the blocks with suitable reason .

(iii)The company is planning to link all the blocks through a secure and high speed wired medium. Suggest a way to connect all the blocks.

(iv) Suggest the most suitable wired medium for efficiently connecting each computer installed in every block out of the following network cables:

- Coaxial Cable
- Ethernet Cable
- Single Pair Telephone Cable.