



Date: 13-06-2025

MONTHLY TEST-01 (2024-2025)

Max marks:20

Grade: XII

COMPUTER SCIENCE (083) (MS)

Time:50 min

SECTION A

1.

Choose the correct possible answer(s)

```
A=random.randint(1,5)
B=random.randint(1,3)
C=random.randint(2,6)
print(A,B,C)
```

a. 3 1 2

b. 4 4 4

c. 5 3 5

d. 3 3 3

Ans: i and iv

2.

Choose the correct answer

```
math.ceil(4.5867)
```

a. 5

b.5.0

c. 4

d. 4.0

Ans: 5

3.

Which of the following is not a function/method of the random module in python.

a. randfloat()

b. randint()

c. random()

d. randrange()

Ans: randfloat()

4.

What is the output of the following function:

```
len(['hello',2,4,6])
```

a. Error

b. 4

c. 3

d. 6

Ans: 4

5.

Assertion: def is the keyword used to define all the functions used in python.

Reason: Python has both built-in and user defined function

a) Both A and R are true and R is the correct explanation for A

b) Both A and R are true and R is not the correct explanation for A

c) A is True but R is False

d) A is false but R is True

a. Ans: A is false but R is True

	SECTION B	
6.	Re-write the python code and underline the corrections. <pre> s="welcome" def change(T) T="Hello print(T end="@") Change(s) print(s) </pre> Ans: <u>s</u>="welcome" def change(T): T="Hello" print(T,end="@") <u>change</u>(s) print(s)	2
7.	Predict the output <pre> def update(X=10): X+=15 print("X= ",X) X=20 update() print("X= ",X) </pre> Ans: X=25 X=20	2
	SECTION C	
8.	Find and write the output of the following python code: <pre> Msg="CompuTer" Msg1="" for i in range(0, len(Msg)): if Msg[i].isupper(): Msg1=Msg1+Msg[i].lower() elif i%2==0: Msg1=Msg1+'*' else: Msg1=Msg1+Msg[i].upper() print(Msg1) </pre> Ans: cO*P*t*R	3

9.	Find and write the output of the following python code: <pre>def fun1(s): k=len(s) m="" for i in range(0,k): if(s[i].isupper()): m=m+s[i].lower() elif(s[i].isalpha()): m=m+s[i].upper() else: m=m+'bb' print(m) fun1("school2@com")</pre> Ans: SCHOOLbbbbCOM	3
10.	a. Write a python program to print reverse of a number using function. Ans: <pre>def reverse(n): rev=0 org=n r=0 while n!=0: r=n%10 rev=rev*10+r n=n//10 print("Reverse of the number is: ",rev)</pre> b. Write a python program to find greater number between two numbers. The function should take 2 numbers as parameters. Ans: <pre>def greatest(n1,n2): if(n1>n2): print(n1,"is greater") elif(n2>n1): print(n2,"is greater") else: print("Numbers are equal") n1=eval(input("Enter the first number")) n2=eval(input("Enter the second number")) greatest(n1,n2)</pre>	2.5X 2=5

