

Sample Paper-I
MONTHLY TEST – APRIL 2019
CLASS XII
SUBJECT : COMPUTER SCIENCE

Time : 90 mins
Max Marks : 40

Note : a) All questions are compulsory.
b) Give examples wherever possible.

Q1. Name any two libraries in python and also name any two methods from any one of these libraries. (2)

Q2. Find the error (if any) in the following code and write the corrected code and underline it : (2)

```
Def sum(a=1,b)
    return a+b
print "The sum =" Sum(7,-1)
```

Q3. State the difference between: (8)

- a) Calling a function by value and Calling a function by reference
- b) Formal parameters and actual parameters
- c) Local variables and global variables
- d) Immutable objects and mutable objects

Q4. Identify the type one or more types of arguments in the following codes: (6)

```
a) def sum(a=4,b=6):
    return a+b
print (sum( ))
```

```
c) def sum(a=1,b):
    return a+b
print(sum(b=20, a=5 ))
```

```
b) def sum(*n):
    for i in n:
        total+=i
    return total
print (sum(4,3,2,1,7,8,9))
```

```
d) def sum(a=1,b):
    return a+b
print (sum(10,20))
```

Q5. State the advantages of using functions in python. Support your answer with an example. (3)

Q6. State the use of global keyword. Give an example to illustrate its use. (3)

Q7. Write the types of user defined functions (2)

Q8. Write a program using user defined function to :

- a) Check if a number entered by the user to check whether a number is in a given range or not. Range may be of programmer's choice. (3)
- b) Calculate and display average of all the elements in a user defined tuple containing numbers. (4)
- c) Calculate sum of any 10 numbers using variable argument. (3)

Q9. Write the output of the following statements : (4)

- a) `string1='Computer Science'`
`print(string1.islower())`
- b) `import math as m`
`print(m.ceil(m.trunc(15.890)))`
- c) `string1='Tonight'`
`print(string1.rstrip('ghti'))`
- d) `import math as m`
`print(m.pow(5,m.sqrt(100)))`