



Chapter -1 (02.12.2019)

STD: XII

TIME: 90 Minutes

SUBJECT: COMPUTER SCIENCE

TOTAL MARKS: 50

Q1.

- a) What is the difference between a keyword and an identifier? (2)
- b) What are literals in python? How many types of literals are allowed in python? (2)
- c) How many ways are there in python to represent an integer literal? Explain. (3)
- d) How many types of strings are supported in python? (1)
- e) Write a program that asks the user to input number of seconds and then expresses it in terms of many minutes and seconds it contains. (4)
- f) Which of the following is valid arithmetic operator in Python: (1)
(i) // (ii) ? (iii) < (iv) and

Q2.

- a) The following code is not giving desired output. We want to input value as 20 and obtain output as 40. Could you pinpoint the problem? (1)

```
Number = input("Enter Number")
DoubleTheNumber=Number*2
Print(DoubleTheNumber)
```

- b) What are data types? What are python's build-in core data types? (3)
- c) Which data types of python handle numbers? (2)
- d) Why is following code giving errors? (1)
name= "Rehman"
print("Greetings!!!")
Print("Hello", name)
Print("How do you do?")
- e) Write a program that repeatedly asks from users some numbers until string 'done' is types. The program should print the sum of all numbers entered. (4)
- f) Write the type of tokens from the following: (1)
(i) if (ii) roll_no

Q3.

- a) Why is Boolean considered a subtype of integers? (1)
- b) What is the role of comments and indentation in a program? (2)
- c) If you are asked to label the python as determinable or non-determinable, which label would you give to which loop? Justify your answer. (3)
- d) There are two types of else clauses in python. What are these two types of else clauses? (2)
- e) What is none literal in python? (1)
- f) Name the Python Library modules which need to be imported to invoke the following functions: (1)
- (i) sin() (ii) randint ()
- g) What is a statement? What is the significance of an empty statement? (2)

Q4.

- a) Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)

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

- b) What are tokens in python? How many types of tokens are allowed in python? (2)
- c) Find and write the output of the following python code: (1)

```
a=10
def call():
global a
a=15
b=20
print(a)
call()
```

- d) What is Variable? How are they important for a program? (2)
- e) Out of the following, find those identifiers, which cannot be used for naming Variables or Functions in a python program: (2)

Price*Qty, class, For, do, 4thCol, totally, Row31, _Amount

f) Predict the outputs of the following programs. (2)

```
count=0
while count < 10:
    print('Hello')
    count+=1
```

g) Find and write the output of the following python code: (2)

```
for Name in ['Jayes', 'Ramya', 'Taruna', 'Siraj']:
    print(Name)
    if Name[0]=='T':
        break
    else:
        print('finished!')
        print('goat it!')
```

****All the Best****