



Time Allotted : 3 Hours

Full Marks : 70

The Figures in the margin indicate full marks.  
Candidate are required to give their answers in their own words as far as practicable

## Group-A (Very Short Answer Type Question)

1. Answer *any ten* of the following :[  $1 \times 10 = 10$  ]

- (i) Which of the following commands will create a list?  
a) list1 = list()  
b) list1 = {}  
c) list1 = list([1, 2, 3])  
d) all of the mentioned ✓
- (ii) Which of the following is a Python tuple?  
a) [1, 2, 3]  
✓b) (1, 2, 3)  
c) {1, 2, 3}  
d) {}
- (iii) Which of the following statement is false with respect to Python dictionary?  
(a) The values of a dictionary can be accessed using keys  
(b) The keys of a dictionary can be accessed using values  
(c) Dictionaries aren't ordered ✓  
(d) Dictionaries are mutable
- (iv) To open a file "c:\scores.txt" for writing operation, we use \_\_\_\_\_.  
a) outfile = open("c:\scores.txt", "w") ✓  
b) outfile = open("c:\\scores.txt", "w")  
c) outfile = open(file = "c:\scores.txt", "w")  
d) outfile = open(file = "c:\\scores.txt", "w")
- (v) Who developed Python Programming Language?  
a) Wick van Rossum  
b) Rasmus Lerdorf  
c) Guido van Rossum ✓  
d) Niene Stom
- (vi) All keywords in Python are in \_\_\_\_\_.  
a) Capitalized  
b) lower case✓  
c) UPPER CASE  
d) None of the mentioned
- (vii) Which of the following character is used to give single-line comments in Python?  
a) //  
b) # ✓  
c) !  
d) /\*
- (viii) What will be the output of the following Python code?  
`>>>str1="helloworld"  
>>>str1[:-1]`  
The options are:  
(a) dlrowolleh  
(b) hello  
(c) world  
(d) helloworld ✓
- (ix) Which keyword in Python is used for create or define functions?  
(a) Fun

- (b) Define  
(c) def ✓  
(d) Function
- (x) What is the correct command to shuffle the given Python list?  
fruit=['apple', 'banana', 'papaya', 'cherry']  
A. fruit.shuffle()  
B. shuffle(fruit)  
C. random.shuffle(fruit)  
D. random.shuffleList(fruit)

- (xi) What will be the output of the following Python code?

```
>>>t=(1, 2, 4, 3)
>>>t[1:-1]
```

- a) (1, 2)  
b) (1, 2, 4)  
c) (2, 4) ✓  
d) (2, 4, 3)

- (xii) What arithmetic operators cannot be used with strings?

- a) +  
b) \*  
c) -  
d) All of the mentioned ✓

#### Group-B (Short Answer Type Question)

Answer any three of the following :

[ 5 x 3 = 15 ]

- ✓2. How to read and write a text file in python? Explain with all the functions. [5]  
✓3. Define dictionary with an example. [5]  
4. What is identifier token in Python? [5]  
5. Write down the different features of OOPs Programming. [5]  
✓6. Difference between for and while statements in Python with example? [5]

#### Group-C (Long Answer Type Question)

Answer any three of the following :

[ 15 x 3 = 45 ]

7. (a) How will you slice the given string in python? [3]  
(b) Describe various methods that are used on a string. (Any Four) [5]  
(c) Explain in detail about strings (in Python environment) with appropriate examples. [7]  
8. (a) How to define a function in Python? <https://www.makaut.com> [3]  
(b) Write a function that inputs a number and prints the multiplication table of that number. [5]  
(c) Briefly explain about fruitful functions with example. [7]  
9. ✓(a) What is the difference between Tuples and List in Python? [4]  
✓(b) Differentiate between append( ) and extend( ) methods? [5]  
✓(c) Discuss the Python List Methods with examples [6]  
10. (a) Define Tuples with example? [4]  
(b) Give Example for Tuple Assignment? [6]  
(c) Why is a tuple immutable? [5]  
11. (a) What are the main features of Python? [5]  
(b) What is the difference between C and Python [5]  
(c) What is the difference between Java and Python data types? [5]

\*\*\* END OF PAPER \*\*\*