

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (Sem.-1)
PROGRAMMING IN PYTHON

Subject Code : PGCA/1951

M. Code : 79036

Date of Examination : 13-06-2024

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION-B & C carrying TEN marks each.
4. Select atleast TWO questions from SECTION-B & C.

SECTION-A

1. Write Briefly :

- (i) Write an algorithm that accepts two numbers adds them and prints the result.
- (ii) Define an iterative statement.
- (iii) List four built-in tuples in Python.
- (iv) How do you assign a value to a tuple in Python?
- (v) What are the purposes if Pass statement in Python?
- (vi) What is slicing operator in Python? Give an illustrative example.
- (vii) Write a simple function to multiply two numbers in Python.
- (viii) In Python, how the values stored in Lists are accessed? Are these values need to be of the same type?
- (ix) How do you delete a file in Python?
- (x) What is the purpose of dictionary in Python?

SECTION-B

2. What are the data types supported by Python? Explain with examples.
3. What are the important features and limitations of Python? What are the applications of this language? Explain.
4. Write a Python program that sorts a dictionary by its values.
5. Explain expressions in Python with order of evaluation with an example.

SECTION-C

6. (i) Differentiate between global and local variables.
(ii) Narrate scope of a variable in a function.
7. Using datetime module, write a Python program to print 56th day after today. Also, print which day of the week and year that day is. (Eg. 14 Nov 2017, Tuesday the 318th day of 2017).
8. How to create, raise and handle user defined exceptions in Python.
9. What is a class? How classes and objects are created in Python? Explain.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.