

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

MCA (Sem.-1)
PROGRAMMING IN PYTHON
Subject Code : PGCA-1951
Paper ID : 79036

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

Answer briefly :

- 1) What is namespace in Python?
- 2) What are various python modules? List some of commonly used built-in modules in Python.
- 3) What are the inbuilt functions for data type conversion in Python?
- 4) Differentiate between Python Arrays and lists.
- 5) Why do we use 'self' in Python?
- 6) Define the use of Python iterators.
- 7) Where do we use help() and dir() functions in Python language?
- 8) How can files be deleted in Python?
- 9) How do we handle exceptions in Python?
- 10) How does break, continue and pass work?

SECTION-B

- 11) How do you install Python on Windows and set path variable? What is the process of compilation and linking in python?
- 12) What are different decision making statements in Python? Write a program to produce Fibonacci series in Python.
- 13) How do you define tuples in python language? What is a dictionary and how can you implement it in Python?
- 14) Where do you need to use Multiple assignments? Discuss different inbuilt I/O functions of Python. Brief about non-associative operators.

SECTION-C

- 15) Elaborate Inheritance in Python with an example. How are classes created in Python?
- 16) What is the need of exception handling in a programming language? How can a user define exceptions in a Python program? Write a program to elaborate.
- 17) What is a Python module? What do file-related modules in Python do? Can you name some file-related modules in Python? Write a sample program using Python module to display calendar.
- 18) What is functional programming? List a few methods to implement functionally oriented programming in Python. Write down a program in Python to read and write a text file.

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.