

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (Graphic and Web Designing) (Sem.-4)

PROGRAMMING IN PYTHON

Subject Code : UGCA-1914

M.Code : 79530

Date of Examination : 13-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of TEN questions carrying TWO marks each.
2. **SECTION-B contains SIX questions** carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

1. Write briefly :

- a) What are local variables and global variables in Python?
- b) How to install Python on Windows and set path variable?
- c) Is indentation required in python? Give reason.
- d) What is the difference between Python Arrays and Lists?
- e) What are functions in Python?
- f) What is module in Python?
- g) How does break, continue and pass work?
- h) How do you write comments in python?
- i) What is type casting in Python?
- j) What is a Package in Python?

SECTION-B

2. What are the features of Python? Also explain limitations and major applications of python.
3. Why management of files is important in python? Explain various operations on file.
4. Differentiate between pass by value and pass by reference in function. And write a program to display the fibonacci sequence up to n^{th} term where n is provided by the user.
5. Describe exceptions and how they are handled in python?
6. Illustrate the different types of control flow statements available in Python with flowcharts. And write a program to repeatedly check for the largest number until the user enters “done”.
7. Write a program to demonstrate designing of class, creation of objects and accessing attributes using Python.

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.