Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 06

B.Sc. (Cyber Security)   (Sem.–3)
PROGRAMMING IN PYTHON
Subject Code : UGCA1914
M.Code : 92756
Date of Examination : 21-12-22

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) Write any two limitations of Python Language.

   b) List different data types available in Python

   c) State how to perform comments in Python

   d) Write the use of //, **, % operator in Python

   e) Explain the need for Dictionary in Python.

   f) List features of Python.

   g) Write the syntax of tell() and seek().

   h) What are Exceptions?

   i) Why do we use NumPy?

   j) Define Class.

SECTION-B

2. Write a python program to print the Fibonacci series up to n terms.

3. Explain different loops available in python with suitable examples.

4. What is a function? How to define a function in python? Write a program using the function to find out whether the given string is palindrome or not.

5. Write a python program to read the contents of the first.txt file and write the same content in the second.txt file.

6. Design a python program which will throw an exception if the value entered by the user is less than zero.

7. Explain the concepts of Lists, Tuples, and Sets.

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.