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

Total No. of Questions : 07

Bachelor of Science (Cyber Security) (Sem.–1)
PROBLEM SOLVING USING C
Subject Code : UGCA1903
M.Code : 92571
Date of Examination : 19-01-23

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 is Algorithm?

   b. Define compilation and execution.

   c. Define variable and constant.

   d. Differentiate between while and do while loop.

   e. List out the advantages of functions

   f. Differentiate structure and array.

   g. Define string handling functions.

   h. What is call by reference?

   i. Write the use of storage classes.

   j. Give the use of file operations.

SECTION-B

2. What is the use of header files? List some of header files in C language and their functions.

3. Write short notes on the various loop structures and its application in a particular programming situation.

4. Write a C program to check whether a given number is prime or not.

5. Define pointers. Explain how to access a value using pointer.

6. By taking suitable example, show how members are accessed in structures?

7. What are data files? Give the syntax for Opening and Closing the data files.

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.