

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 : 26-05-2023

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

I. Write short notes on:

- a) What is Pseudo code?
- b) Define character set.
- c) Discuss variable and constant.
- d) What is conditional operator?
- e) List out the benefits of recursion.
- f) Differentiate structure and array.
- g) Define string manipulation.
- h) What is call by value?
- i) Write the use of extern class.
- j) Give the concept of unions.

SECTION-B

2. What is the use of expressions? List some of expressions used in C language.
3. Write short notes on the nested 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. Give a suitable example for its declaration.
6. By taking suitable example show how passing structures to functions is done?
7. What is File Handling? Give the syntax for Opening and Closing the data 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.