

**GOVERNMENT COLLEGE FOR WOMEN(AUTONOMOUS),SRIKAKULAM
REACCREDITED WITH NAAC 'A' GRADE**

**B.Sc (Regular) / Semester-I
(w.e.f.2020-2021 Admitted Batch)**

**PAPER : PROBLEM SOLVING IN C
Marks : 75**



**TIME : 3 Hrs
Date : 18-08-2021**

SECTION –A

I. Answer the following questions (5 X 10 = 50 marks)

1. (a) Describe digital computer with a Block Diagram.
(or)
(b) Explain different classification of Computers.
2. (a) Describe Token in C?
(or)
(b) Explain looping Statements in C language.
3. (a) Define an array? discuss various types of arrays with examples.
(or)
(b) Define string? Explain String handling functions in C?
4. (a) Explain different storage classes?
(or)
(b) What is a function? Explain different types of functions with examples.
5. (a) Explain dynamic memory allocation functions in C?
(or)
(b) Explain various file handling functions?

II. Answer any FIVE questions (5 X 5 = 25 marks)

1. Discuss the characteristics of Algorithms?
2. Explain any three input devices?
3. Explain the structure of C Programme?
4. Explain switch statement with an example?
5. How to declare and initialize 2-D array in C Language?
6. Write a program to print array elements in reverse order?
7. Describe life & scope of variables in C Language?
8. What is recursion? Write a function to find factorial of a number?
9. What is pointer Arithmetic?
10. Write a program to swap two numbers using pointers?