LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

SECOND SEMESTER – **APRIL 2023**

16/17/18UCS2MC01 – PROGRAMMING IN C

Date: 02-05-2023   Dept. No.   Max. : 100 Marks
Time: 09:00 AM - 12:00 NOON

PART – A	(10 x 2 = 20 Marks)

Q. No   Answer ALL the Questions

1   What is Algorithm?

2   Define keywords.

3   Define Array.

4   List out any four standard string functions.

5   What is pointer?

6   Define user defined function.

7   What is structure?

8   Define union.

9   List out any four file handling functions.

10   What is Command Line Arguments?

PART – B	(5 x 8 = 40 Marks)

Answer ALL the Questions

11   (a)   Describe the basic Input Output operations in C with an example.

(Or)

(b)   Explain various loop statements with a sample code.

12   (a) Illustrate the concept of Initialization and Processing of arrays.

(Or)

(b) Elaborate Reading and Writing on Strings with an example.

13   (a)   Depict Array of Pointers with examples.

(Or)

(b) Explain the various library functions with examples.

14   (a)   Explain the concept of Structure within a structure with an example.

(Or)
(b)   Describe Pointer to Structures.

15   (a)   Explain Opening and closing a data file.

(Or)

(b)   Explain Reading and writing Operations on files.

PART – C   **(2 x 20 = 40 Marks)**

Answer any TWO Questions

16   (a)   Explain the different types of operators with examples.   (10)

      (b)   Describe the various types of array.   (10)

17   (a)   Elaborate the concept of Passing arrays to functions.   (10)

      (b)   Determine the concept of functions in C.   (10)

18   (a)   Illustrate Enumerated data types.   (10)

      (b)   Explain the various file types in C.   (10)

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