



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

SECOND SEMESTER – APRIL 2022

16/17/18UCS2MC01 – PROGRAMMING IN C

Date: 16-06-2022

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART – A

(10x 2 = 20 Marks)

Q. No

Answer ALL questions

- 1 Define flowchart.
- 2 Write any two features of C.
- 3 Give the syntax for goto statement.
- 4 What is Array?
- 5 Define User defined function.
- 6 How to initialize string array in C?
- 7 State the purpose of Pointers in C.
- 8 Compare Structure and Union.
- 9 What are the types of file in C?
- 10 Write the syntax for Opening a file.

PART – B

(5 x 8 = 40 Marks)

Answer ALL the questions

- 11 (a) Describe about the tokens of C.
(Or)
(b) What are the fundamental data types in C? Explain.
- 12 (a) Draw a flowchart to find the number is odd or even.
(Or)
(b) Explain about Switch case with an example.
- 13 (a) Explain about various Storage classes in C.
(Or)
(b) Write short notes on Recursion.
- 14 (b) Explain about Structure with an example.
(Or)
(b) How to access array elements using pointers? Explain.

15 (b) Explain about various file modes in C.

(Or)

(b) Write short notes on Command line arguments.

PART – C

(2 x 20 = 40 Marks)

Answer any TWO questions

16. (a) List out and explain any two types of Operators in C with suitable examples.
(b) Explain the Looping types of control structures used in C.
17. (a) Compare Call by value and Call by reference.
(b) Explain about String handling functions with an example code.
18. (a) Explain about
i) Initialization and declaration of Structure.
ii) Nested Structures.
(b) Explain about various File handling functions with an example.

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