



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A.DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIRST SEMESTER – APRIL 2019

CA 1505– PROGRAMMING IN C

Date: 05-04-2019
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A

Answer ALL the Questions

(10x2=20 marks)

1. What is flowchart?
2. Define operating system
3. What is if-else? Give out its syntax.
4. What are keywords?
5. Give the syntax for one-dimensional array
6. Define string
7. What are the uses of pointer?
8. Define function call? Give out its syntax
9. What are bit fields?
10. What is union?

PART-B

Answer ALL the Questions

(5x8=40 marks)

11. a. Draw a flowchart to solve a quadratic equation.
(or)
b. Write an algorithm to find the sum of N natural numbers.
12. a. Explain Nested control structure with suitable example
(or)
b. Explain switch statement with suitable example.
13. a. What is an array ? Explain the declaration and initialization of one dimensional array with example.
(or)
b. Explain any five string functions.
14. a. What is Recursion? Explain with example
(or)
b. Write short note on function definition with example
15. a. Write about Enumerated data type with example
(or)
b. Explain Array of structures

PART-C

Answer any TWO Questions:

(2x20=40 marks)

16. a. Discuss about classification of Computers
b. Write a detailed note on data types with example
17. a. Write a array program in c to print the addition of two matrix.
b. Explain briefly about storage class in c
18. a. Write short note on Structure? How structure members are accessed?
b. Discuss about Command line Arguments

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