



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION - COMPUTER APPLICATIONS

FIRST SEMESTER – NOVEMBER 2015

CA 1505 - PROGRAMMING IN C

Date : 04/11/2015

Dept. No.

Max. : 100 Marks

Time : 01:00-04:00

PART – A

Answer **ALL** the questions:

(10x2=20 marks)

1. Define Algorithm
2. What are the standard input and output devices.
3. Write the data types in C.
4. What is Assignment operator?
5. Define Array?
6. How do you declare and initialize strings?
7. What is Recursion?
8. What is Pointer in C?
9. What is Structure?
10. What is chmod() function?

PART – B

Answer **ALL** the questions:

(5x8=40 marks)

11. a) Give an account on the classification of computers.
(or)
b) Explain software life cycle.
12. a) Explain the various input and output functions with syntax.
(or)
b) Explain Various if Statements in C with example.
13. a) Write a C program to perform Matrix Multiplication.
(or)
b) Explain string Functions in C with example.
14. a) Explain a. Call by Value b. Call By reference.
(or)
b) Write a program to implement recursion function.
15. a) Write short notes on Self-referential structures in detail.
(or)
b) Explain enumerated data type with an example.

PART – C

Answer any **TWO** questions:

(2x20=40 marks)

16. a) Draw a flowchart and write a C program for arranging the numbers in ascending order.

b) Explain looping statements in C?

17. a) Explain Common String Functions with examples?

b) Explain Storage classes?

18. a) Explain array of structures with an example.

b) Explain passing pointer to function.

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