

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.C.A.DEGREE EXAMINATION –COMPUTER APPLICATIONS

FIRST SEMESTER – NOVEMBER 2018

CA 1505– PROGRAMMING IN C

Date: 22-10-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART A

Answer all the questions.

(10 x 2=20 Marks)

1. Define character set in C.
2. What is software life cycle?
3. What is the use of continue statement.
4. Explain keywords with examples.
5. What is an array? Mention its types.
6. Mention some standard string functions.
7. Define recursion.
8. What is static variable? Give example.
9. Define structure.
10. What are bit fields?

PART - B

Answer ALL the Questions

(5 x 8 = 40 Marks)

11. a. Draw a flowchart to display the square of a number.

(OR)

- b. Discuss about the steps involved in writing a C program.

12. a. Difference between break and continue.

(OR)

- b. Explain conditional statements in C.

13. a. Write a C program to sort n numbers.

(OR)

- b. Write a note on reading and writing on strings with example.

14. a. Explain pointers in C.

(OR)

- b. Write a note on user defined function.

15. a. Explain declaration and using of a structure.

(OR)

- b. Explain command line arguments.

PART - C

Answer any TWO Questions

(2 X 20 = 40 Marks)

16. a. Explain various operators in C.

b. Explain in detail about the classification of computers.

17. a. Write a C program for addition of two matrices.

b. Describe briefly about functions.

18. a. Explain in detail about pointer to structures in c.

b. Explain about the array of structures.
