



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**B.Sc., B.C.A. DEGREE EXAMINATION – COMPUTER SCIENCE. & COMPUTER APP.**

**FIRST SEMESTER – APRIL 2016**

**CS 1503/CA 1503 – PROGRAMMING IN C**

Date: 02-05-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

**SECTION - A**

**ANSWER ALL THE QUESTIONS**

**(10 x 2=20 marks)**

1. Define constants.
2. What are keywords?
3. What is formatted input?
4. Define array.
5. Define recursion.
6. What are the string handling function in C?
7. What are pointers?
8. Define union.
9. What is a data file?
10. What is malloc?

**SECTION - B**

**ANSWER ALL THE QUESTIONS**

**(5 x 8=40 marks)**

11. a. Draw a flow chart to find the greatest of three numbers.  
OR  
b. Write a note on data types in C.
12. a. Explain multi-dimensional array.  
OR  
b. State the differences between while and do while loop.
13. a. Write a c program to print the factorial of a number.  
OR  
b. How will you pass arguments to a function?
14. a. Explain array of structures.  
OR  
b. How will you pass pointers as function argument?
15. a. Explain command line arguments.  
OR  
b. What is unformatted data file.

**SECTION C**

**ANSWER ANY TWO QUESTIONS**

**(2 x 20=40 marks)**

16. a. Explain operators in detail.  
b. Explain control structures in C.
17. a. Explain array of pointers.  
b. Explain union.
18. a. Explain macros in detail.  
b. How will you open and close a data file.

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