



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc., DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2013

CS 1505 – PROGRAMMING IN C

Date : 12/11/2013
Time : 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL the questions:

(10x2=20)

1. Define variable.
2. What are the derived data types?
3. What is the use of goto statement?
4. What are the control structures?
5. List any two string functions
6. Where can pointers are used?
7. What is a function call?
8. What are the External Variables?
9. What is the major difference between structure and union?
10. Write any two benefits of pointers.

PART – B

Answer ALL the questions:

(5x8=40)

11. a) Explain the primary data type of C.
(Or)
b) Explain Symbolic constant.
12. a) Explain for loop with examples.
(Or)
b) Write a c program to check the given number is prime or not.
13. a) Explain about array with example .
(Or)
b) Write a c program to find a factorial of a number using function.
14. a) What is recursive function? Explain.
(Or)
b) Explain the advantages and limitations pointers.
15. a) What are the three ways to pass structure variables to a copy of the entire the function?
(Or)
b) Examples the following file handing function,
i) fopen() ii) fscanf() iii) fclose()

PART – C

Answer any TWO questions:

(2x20=40)

16. a) Explain the different types of operators in C
b) Write a c program to sort a given number in ascending order.
17. a) Illustrate on the fundamental aspects of arrays with examples.
b) What are the four types of storage classes? Explain.
18. a) Discuss the usage of structures in C language with examples.
b) Write a program to read a character from the keyboard and writing it into a file.

\$\$\$\$\$\$