



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – APRIL 2013

CS 1505 - PROGRAMMING IN C

Date: 09/05/2013
Time: 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART A

Answer ALL the questions:

(10x2=20)

1. Define an Identifier and Keyword.
2. What is the use of typedef statement?
3. State few advantages of arrays.
4. What is the use of Break and Continue statements in C?
5. Define a Pointer. What is the significance of it?
6. What is the use of strchr() function?
7. Define Recursion.
8. What do you understand by Scope Resolution Operator?
9. What are the different modes in which a file can be opened?
10. How structure differs from union?

PART B

Answer all the Questions:

(5x8=40)

11. a. Discuss on various types of characters in format strings and format specifiers for printing numbers.

(OR)

- b. Discuss on various Bitwise operators.

12. a. Write a C program to find the average of N numbers using arrays.

(OR)

- b. Explain various loop statement with necessary examples.

13. a. Discuss on various string functions in C.

(OR)

- b. How can a one dimensional array to pointer be used to represent a collection of strings?

14. a. Write a C program to find out the factorial of a given number using recursion.

(OR)

- b. Explain about various storage classes in C.

15. a. Write about Command Line Arguments in C with an example program.

(OR)

- b. Explain about Nested Structures with suitable example.

PART C

Answer any TWO Questions:

(2x20=40)

16. a. Explain different type of constants in C.
b. Write a program to find the highest of three numbers.
17. a. Explain about user defined functions with an example.
b. Write a C program to find the Reverse of a given number using a function.
18. a. Explain the method of using Pointers within Structures with a suitable example.
b. Discuss on various File Handling Functions.

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