



# LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – STATISTICS

FIRST SEMESTER – APRIL 2017

**ST 5401/ S 552 / VS 510 – C LANGUAGE & C++**

Date: 04-05-2017  
09:00-12:00

Dept. No.

Max. : 100 Marks

## SECTION - A

**Answer all the Questions.**

(10 X 2 = 20)

1. C is a general-purpose, high-level language that was originally developed by\_\_\_\_\_.
2. State the difference between Interpreter and compiler
3. What are the uses of key words?
4. What are identifiers and state importance of it?
5. What are the increment and decrement operators?
6. What are the uses of key words scanf and printf?
7. What is the format of switch statement?
8. What is the maximum size an integer can store?
9. Write a program to compute the simple interest.
10. What is the use of strlen(a)?

## SECTION- B

**Answer any Five Questions.**

(5 X 8 = 40)

11. Explain the concepts of arrays with an example.
12. What is a function in C? Explain with an example
13. Write a program to calculate the biggest of 3 numbers.
14. Write a program for a user defined function?
15. Explain the data types in C.
16. Explain the concepts of 2-dimensional arrays in C.
17. Write a program to find whether the given year is a leap year.
18. Write a program to explain the switch statement in C.

## SECTION- C

**Answer any TWO of the following:**

(2 X 20 = 40)

19. Explain the Looping statements in C
20. Write a program using the concept of arrays.
21. Briefly explain the concept of pointers in C.
22. Write a program to arrange 10 numbers in ascending order?

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