LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – **STATISTICS**

FIFTH SEMESTER – NOVEMBER 2016

ST 5401 - C AND C ++

Date: 11-11-2016
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL questions: **(10 x 2 = 20 marks)**

1. What is the difference between variable and constant?

2. What are Keywords?

3. What is the use of identifier?

4. Distinguish between Operator and Operand?

5. Define Arrays.

6. How do you declare and initialize strings?

7. What is inheritance?

8. What is Ternary operator?

9. Define Conditional Operator.

10. What is a nested structure?

PART – B

Answer any FIVE questions: **(5 x 8 = 40 marks)**

11. Write notes on the data types available in C.

12. Explain the various input and output library function with examples in C.

13. Write a C program to find the biggest of three numbers.

14. Explain the switch and break statement with examples in C.

15. Briefly explain while and do while statement with example in C++.

16. Write a C++ program to find the factorial of a given number.

17. Explain the importance of Constructor and Destructor in C++.

18. Write a C program to sorting n numbers in C++.

PART – C

Answer any TWO questions: **(2 x 20 = 40 marks)**

19. a) Write a 'C' program that includes a recursive function to generate Fibonacci series.

    b) Write a 'C' program for student mark list using structures.

20. Explain the structures and functions in C++.

21. a) Write a C program to do matrix addition.

    b) Write a C program to find whether a given string is palindrome or not.

22. Explain in detail the object oriented programming language in C++.

****