LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.SC. & B.C.A. DEGREE EXAMINATION – **COMPUTER SCIENCE & APPLI.**

THIRD SEMESTER – **NOVEMBER 2017**

CS/CA 3504 – DATA STRUCTURE USING C++

Date: 07-11-2017   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

SECTION A

ANSWER ALL THE QUESTIONS   **10 X 2=20 MARKS**

1.Define encapsulation.

2. What are objects?

3. What are destructors?

4. Define inheritance

5. Define stream.

6. What is exception handling?

7. what are stacks?

8. Define linked list.

9. What is a searching

10. What is selection sort?

SECTION B

ANSWER ALL THE QUESTIONS   **5 X8=40 MARKS**

11. a what are applications of OOP.

   OR

   b. Discuss about inline function..

12. a. Explain constructors.

   OR

   b. Explain type conversion.

13. a. What are c++ stream classes. .

   OR

   b. What are unformatted I/O operations.

14. a.Explain operations of a stack.

   OR

   b. Discuss about linked list.

15. a. Explain insertion sort.

   OR

   b. What is merge sort?

1

SECTION C

ANSWER ANY TWO QUESTIONS   **2 X20=40 MARKS**

16. a. Explain function overloading.

    b. Explain polymorphism.

17. a. Explain Exception Handling with an example.

    b. Disuss about doubly liked list.

18. a. Explain bubble sort.

    b. Explain the basic concept of Oop.

****