B.Sc. DEGREE EXAMINATION, APRIL 2018.

II YEAR III SEMESTER

Allied - Paper III - PROGRAMMING IN C++

Time : 3 Hours Max. Marks : 60

SECTION A – (10 × 1 = 10 marks)

(Q. No. 1-12)Answer any *TEN* questions

1. Write any two applications of C++.
2. What are Input and Output functions?
3. Define character constants with an example?
4. State the difference between the pre-increment and post-increment operators.
5. What is a control statement?
6. Write the syntax for of a goto statement and state for what purpose it is used.
7. Define an array?
8. Write the general form of a class declaration.
9. Define overloading.
10. State the types of inheritance available in C++.
11. How are comments included in a C++ program?
12. Define member functions outside the class.

SECTION B – (5 × 4 = 20 marks)

(Q. No. 13-19)Answer any *FIVE* questions

1. Describe the structure of a C++ program.
2. Explain the various characters set that are available in C++.
3. Discuss the procedure of the while loop with a neat diagram.
4. Discuss the procedure of declaring a two-dimensional array.
5. Explain Hierarchical inheritance.
6. Explain the switch statement in C++.
7. Explain constructors and destructors in C++.

SECTION C – (3 × 10 = 30 marks)

(Q. No. 20-24)Answer any *THREE* questions

1. Explain (i) Standard input/output header file in C+

(ii) putchar(), fetchar(),getc() abd putc() function.

1. Discuss in detail the various arithmetic operators available in C++.
2. Write a code to find skwenss and kurtosis of 25 values.
3. Write a code to find the trace of the matrix.
4. Explain Multiple and Hybrid inheritance in C++.