B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

II Year III Semester

Allied - Paper III - PROGRAMMING IN C++

Time : 3 Hours Max. Marks : 60

SECTION A – (10 × 1 = 10 marks)

Answer any *TEN* questions

1. What is the difference between global and local variables?
2. Explain any two data types with an example?
3. Draw a flow chart for if...else statement.
4. Explain one dimensional array.
5. What is inheritance?
6. What is the difference between getchar() and getc()?
7. Explain Escape Sequences.
8. What is meant by functions in C++?
9. Describe any four mathematical functions.
10. Explain with an example unary operators.
11. Distinguish between structure and class?
12. What is the difference between break and continue statement?

SECTION B – (5 × 4 = 20 marks)

Answer any *FIVE* questions

1. Explain logical operator with example.
2. Discuss in detail, the switch case statement used in C++.
3. What is a purpose of Constructor and Destructor? Illustrate with example.
4. Explain multiple inheritance.
5. Discus in detail the for ... loop statement.
6. What is difference between while loop and do...while loop?
7. Explain with an example the general form of a class declaration.

SECTION C – (3 × 10 = 30 marks)

Answer any *THREE* questions

1. Explain arithmetic and relational operators in C++ with suitable examples.
2. Write a program to find the regression for raw data.
3. Distinguish between multilevel and multiple inheritance.
4. Explain the various input and output functions in C++.
5. Write a program to multiply two matrices of order 2 x 2.

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