B.C.A. DEGREE EXAMINATION – DECEMBER, 2018.

Third Year

C++ AND OBJECT ORIENTED PROGRAMMING

Time : 3 hours　　　　　　　Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1.　Write short notes on storage classes.

2.　Write short notes on increment and decrement operator with suitable examples.

3.　Discuss on structures in C++ with example code.

4.　Briefly explain the concept of function overloading with suitable C++ code.

5.　List out the various visibility labels of a member class in C++. Give the example program.

6. Write short notes on switch statements with example code.

7. Discuss about the macros.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss in detail about various fundamental types corresponding to basic storage units of a computer with suitable C++ program.

9. Explain the following with suitable examples :

   (a) Logical operators

   (b) Bitwise logical operators

   (c) Conditional expressions

   (d) Increment and decrement operator.

10. Explain in detail about structures and classes and structures and arrays with suitable C++ examples.

11. Describe in detail about throwing and catching exceptions with suitable examples.

12. Explain in elaborate about the overview of C++ and structure of C++ program with suitable C++ code.

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13. Discuss in detail about Iteration statements with suitable C++ examples.

14. What is polymorphism? Explain the concepts of function overloading and operator overloading with suitable examples.

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