Lesson Plan

BCA – 231

OBJECT ORIENTED PROGRAMMING USING ‘C++’

Teacher name: Neelam

October 2020

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| Object oriented Programming: Object-Oriented programming features and benefits. Object-Oriented features of C++, Class and Objects, Data Hiding & Encapsulation, Structures, Data members and Member functions, Scope resolution operator and its significance, Static Data Members, Static member functions, Nested and Local Class, Accessing Members of Class and Structure. |

November 2020

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| Constructor, Initialization using constructor, types of constructor– Default, Parameterized & Copy Constructors, Constructor overloading, Default Values to Parameters, Destructors, Console I/O: Hierarchy of Console Stream Classes, Unformatted and Formatted I/O Operations. |

December 2020

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| Manipulators, Friend Function, Friend Class, Arrays, Array of Objects, Passing and Returning Objects to Functions |

January 2021

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| String Handling in C++, Dynamic Memory Management: Pointers, new and delete Operator, Array of Pointers to Objects, this Pointer, Passing Parameters to Functions by Reference & pointers.  Polymorphism: Operators in C++, |

February 2021

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| Precedence and Associatively Rules, Operator Overloading, Unary & Binary Operators Overloading, Function Overloading, Inline Functions |