



**SURESH
GYAN VIHAR**
UNIVERSITY
Accredited by NAAC with 'A' Grade

INTERNAL ASSIGNMENT - 1

Course	BCA	Object Oriented Programming Using C++
Semester	3	
Total Marks:	15	

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

- A. What are recursive constructors? Explain with an example.
- B. Differentiate between overloading and overriding with example.
- C. Explain the visibility of base class members for the access specifiers: private, protected and public while creating the derived class and also explain the syntax for creating derived class.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

- A. What is class template? Explain with examples.
- B. With an example, explain how virtual functions are hierarchical.
- C. What is the use of it?
- D. Base class
- E. Abstract Class



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INTERNAL ASSIGNMENT - 2

Course	BCA	Object Oriented Programming Using C++
Semester	3	
Total Marks:	15	

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

- A. List 5 rules of forming variable names in C++ and list down all possible datatype.
- B. Write a C++ program to demonstrate pointers to base and derived classes.
- C. Write a function template for finding the minimum value in an array.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

- A. Early Binding
- B. Constructor
- C. What happens if we declare all member functions as private in a class?
- D. List out the types of constructors.
- E. Polymorphism