



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

INTERNAL ASSIGNMENT - 1

Course	MCA	Object Oriented Programming With C++
Semester	1	
Total Marks:	15	

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

- A.** Write C++ program to find the area of a circle, rectangle and triangle using function overloading.
- B.** Define pure virtual functions. Write a C++ program to illustrate pure virtual functions.
- C.** Explain briefly the three foundational items of standard template library.

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

- A.** Base class
- B.** Operators
- C.** Interface
- D.** rules associated with virtual functions
- E.** setw()



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INTERNAL ASSIGNMENT - 2

Course	MCA	Object Oriented Programming With C++
Semester	1	
Total Marks:	15	

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

- A.** Write a C++ program that implements Bubble Sort using function templates.
- B.** With an example, explain the syntax for passing arguments to base class constructors in multiple inheritance.
- C.** Write a C++ program to illustrate pure virtual functions.

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

- A.** What is a dereferencing Operator?
- B.** Class
- C.** Copy Constructor
- D.** Sub class
- E.** Output Stream