SURESH GYAN VIHAR UNIVERSITY Accredited by NAAC with 'A' Grade		**INTERNAL ASSIGNMENT - 1**
Course	**BCA**	**Principles Of Programming & Algorithm**
Semester	**1**	
Total Marks:	**15**	

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

A. What is an array? Explain declaration procedure for Single and Multi-dimensional array.

B. What is 'Fibonacci' in C? Write a program to generate it.

C. Discuss various forms of incremental and detrimental operators in C.

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

A. Write a C program for by accepting 15 numbers to find Square and Cube

B. Do { } Condition;

C. Block scope and file scope

D. Algorithm

E. Big Oh Notation

SURESH GYAN VIHAR UNIVERSITY Accredited by NAAC with 'A' Grade		**INTERNAL ASSIGNMENT - 2**
Course	**BCA**	**Principles Of Programming & Algorithm**
Semester	**1**	
Total Marks:	**15**	

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

A. Explain use of sizeof() and type cast operator in C.

B. Explain any 4 preprocessor directives.

C. What are Programming Constructs? Explain any 4 programming constructs.

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

A. Draw a Flow chart for Odd numbers between 1 to100

B. Function

C. Display Fibbonacci Numbers (e.g. 1,1,2,3,5,…)

D. Draw a flowchart for by accepting 15 numbers to find Square and Cube

E. Write a C code for generating the roots and cubes of accepted numbers.