 SURESH GYAN VIHAR UNIVERSITY <small>Accredited by NAAC with 'A' Grade</small>	INTERNAL ASSIGNMENT - 1	
Course: BCA	C-PROGRAMMING	
Year: I		
Specialization: NA Total Marks: 100		

Q. Write answers for questions below. (20 marks each – Word limit – 500)


A. What is variable? How to declare a variable? What is a global variable and a static variable? State the scope of them.

B. What is typedef in C? How to define new types? According to you is there any use of typedef? Justify your answer.

C. What is an array? How to initialize array? What is the syntax of declaring an array? Explain 1D and 2D Array? What is the meaning of base address of the array?

D. Write a C Program to Check Whether a Number is Palindrome or Not.

E. How to jump to a particular program section with goto and label? Explain with example.

 <div>SURESH GYAN VIHAR <u>UNIVERSITY</u> Accredited by NAAC with 'A' Grade</div>		INTERNAL ASSIGNMENT - 2	
Course: BCA		C-PROGRAMMING	
Year: I			
Specialization: NA	Total Marks: 100		

Q. Write answers for questions below. (20 marks each – Word limit – 500)

A. What is variable? How to declare a variable? What is a global variable and a static variable? State the scope of them.

B. What is increment and decrement operator? How does autoincrement or autodecrement work? S++ or S=S+1, which can be recommended to increment the value by 1 and why?

C. What is format specifier? Explain any four format specifiers.

D. How to define multidimensional arrays? What are their utilities? How to allocate 2D and 3D dynamic array? Explain with source code.

E. What is recursion? Write one program to show the use of recursion. List down the advantages and disadvantages of Recursion. Write an example to show the use of recursion.