**Assignment -1**

**Unit 1,2,3**

**CTSD-1**

1. Explain Structure of c program in brief with example.
2. What is switch case statement? Explain with example.
3. Differentiate between break, continue and goto statement and explain each.
4. Write C program to swap two numbers without using the third variable
5. Write a program to print the following outputs using for Loop.

1

12

123

1. Write a program using while loop construct which finds the factorial of a given integer number.
2. What is an operator? Explain different types operators in C.
3. What is an expression? Explain different categories of expressions.
4. What are logical operators in C? Write a C program to illustrate the logical operators?
5. Explain the advantages and disadvantages of using high level languages over machine level languages.
6. What are the shift operators? Write a program to shift the entered number by three bits leftand display the result.
7. Describe a decision making statement in brief with appropriate examples.
8. Write a difference between while … loop and do…. While loop
9. Describe a datatypes and explain with example.
10. Write a short note on array and pointer.