

Everest Engineering College

Sanepa-2, Lalitpur

Subject: Programming in C

Date of Distribution:

Date of submission:

Lab 9

Title: Pointers

Objective:

- To be familiar with pointers

Theory:

- Pointer definition, declaration, initialization and its importance
- Returning multiple value from function
- Dynamic memory allocation

Lab Exercises:(Please code yourself and show the output to the instructor)

- 1) Write a program to illustrate returning multiple values from function.
- 2) Write a Program using pointer to read an array of integers. Next add the elements in the array and display sum on screen.
- 3) Using pointer write a program to input m*n order matrix and find their transpose.
- 4) Write a program to store n elements and find the largest element among them using dynamic memory allocation.
- 5) Write a program to sort n elements using dynamic memory allocation.
- 6) Program a program to illustrate the concept of double indirection.