Everest Engineering College
Sanepa-2, Lalitpur

Date of distribution:……….
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<u>**Subject: Object Oriented Programming in C++**</u>

Lab-6

Title: Dynamic memory allocation

Objective:
- To be familiar with Dynamic memory allocation with C++
- To be familiar with Dynamic constructor and Dynamic initialization of Object

Theory:
- **Dynamic memory allocation by new and delete operator**
- **Dynamic Constructor**
- **Dynamic initialization of Object**

Lab exercises (please code yourself and show the output to instructor)

1. Write a C++ program to show new and delete operator example
2. Write a program to input 10 integers and find the greatest one using DMA.
3. WAP to find the sum of n numbers Entered by user using Dynamic Memory Allocation in C++.
4. Write a simple program using of dynamic memory allocation which should include calculation of marks of 3 subjects of n students and displaying the result as pass or fail & name, roll. Pass mark is 45 out of 100 in each subject.
5. Write a program to add two complex numbers by using dynamic constructor.
6. Write a program to add two distances given in km and m using dynamic constructor.
7. Write a program to add two height objects given in feet and inch by using dynamic initialization of object.