PRACTICAL 5:

Aim: Using practical examples, describe green computing. List and explain the steps that you take to contribute to green computing.

❖ What is green computing?
Green Computing refers to the usage of computers and their resources in an Eco-friendly and responsible way. The term green computing means a lot. It involves the study of designing environment-friendly and reusable computer or hardware architecture. The Goal of Green computing is the same as other Green Evolution concepts, to reduce the hazardous materials in the environment and increase the efficiency and viability of the process.The Green Computing process is very important and should be practiced by everyone. It covers from the large multi-national organization's servers to the single personal usage computers. Many Corporate companies are spending huge investments in making their IT process environment friendly.
Five Simple Steps to Green Computing are:
1. Develop a sustainable green computing plan.
2. Recycle.
3. Make environmentally sound purchase decisions.
4. Reduce Paper Consumption.
5. Conserve energy.

❖ Why go green?

a) Climate change: First and foremost, conclusive research shows that CO2 and other emissions are causing global climate and environmental damage, preserving the planet is a valid goal because it aims to preserve life.
b) Saving: Green computing can lead to serious cost saving overtime. Reduction in energy cost from server, cooling, and lightning are generating serious savings for many corporations.
c) Reliability of power: As energy demands in the world go up, energy supply is declining or flat. Energy efficient systems help to ensure healthy power systems. Also, more companies are generating more to go their own electricity, which further motivates them to keep power consumption low.

❖ Steps that I would take to contribute to green computing are as follows:

     I.   <u>Recycle</u>: Discards used or unwanted electronic equipment in a convenient and environmentally responsible manner. Computers have toxins metals and pollutants that can emit harmful emissions into environment.

    II.   <u>Develop a sustainable green computing plan:</u> Discuss with your business leaders the element that should be factored into such a plan.