

UNIT - I

CONTROL SYSTEMS MODELING



Basic Elements :-

System :-
* When a number of elements or components are connected in a sequence to perform a specific function, the group thus formed is called a system.

Control system :-
* In a system, when the output quantity is controlled by varying the i/p quantity, the system is called control system.

* The o/p quantity is called controlled variable (or) response
i/p quantity is called command signal (or) excitation

open loop system :-
* Any physical system which does not automatically correct the variation in its output is called an open loop system.

* control system in which the o/p quantity has no effect upon the input quantity are called open loop control system. This means that the o/p is not feedback to the i/p for correction

