* Linear Programming Linear programming is a mathematical programming technique to optimize performance (ce.g. profit or cost) (eg. machine = hours, man=hours, money, materials etc.) as specified by an organization Linear programming is a technique for determining an Jophimum schoule of interdependent activities in view of available resources. Programming is just another wood for planning and refers to the process of determining a pto particular plan of action from amongst several atternatives. The word Linear stands for indicating all relationships involved in a particular (<,>,=) problem gre linegr.

Page No.

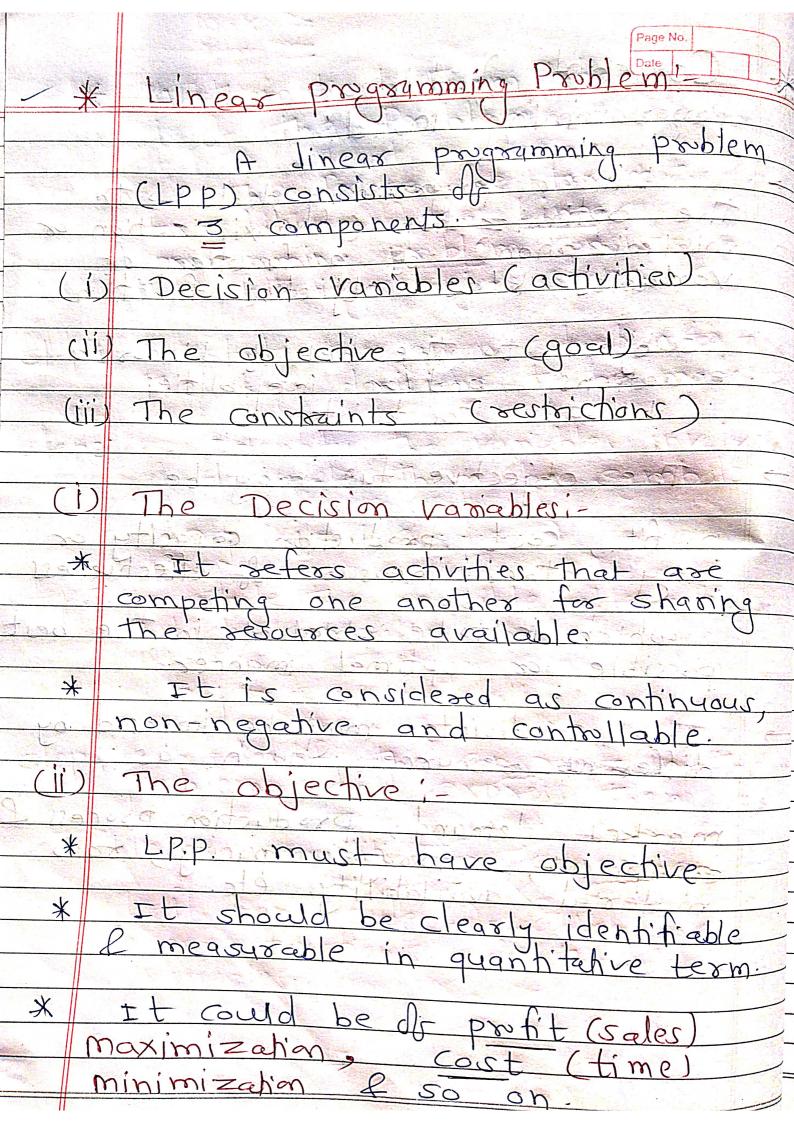
Programming Model

Linear programming deals with

the optimization (Imaximization or

variables klas objective function. equations and low inequalities

Klas constraints The objective fun may be profit cost production capacity or any other measure of effectiveness which is to be obtained in the best possible or optimal manner. The constraints may be impared by different resources such as market demand, production process equipment, storage capacity raw material availability etc. HISTORIA DE SINOS 602 HOSE CONTRA



Page No. The relationship among Date the variable representing objective must be Linear - maximize or Minimize e Constrain ways certain use of serousces suc Labour, space, raw materia money et