

Q2 Define transportation problem • Define assignment problem. what are the limitation of programming.

Ans. Transportation Problem - A transportation problem is concerned with problem of transporting goods or product from different manufacturing plants (called as origin) to different warehouse (called as destination) so that total transportation cost is minimum.

2) Assignment problem - An assignment problem is concerned with the problem of assigning different job to different person or machines. So that assignment problem is minimized.

3) Limitation of programming - Linear programming helps the management to make efficient use of factor of production. i.e. raw material, man power, machine and money etc.

- 2) Linear programming provides flexibility
in analysing a variety of multi-dimensional
problem
- 3) Linear programming provides information base
from which decision on allocation of scarce
resources can be taken.
- 4) Linear programming is a very good tool
for adjusting to meet changing conditions
eg. Sales and demand.