

Define transportation Problem:-

Sec-3
Ans-2 Transportation is a special type of linear programming problem that involves transportation / of physical distribution of goods and services from supply points (example plants) to demand points (example warehouses).

This involves determination of optimal routes to minimize shipping costs from supply sources to destinations.

Define assignment problem:-

Assignment is an optimization technique particularly useful in a situation where a certain no. of tasks require to be assigned to equal no. of facilities. They are solved by enumerating & evaluating all combinations and evaluating the optimal one.

Developed by D. König, Hungarian of Maths, hence it is also known as Hungarian Method of Assignment Problem.

Limitations of linear programming:-

- Parameters like human behaviour, weather conditions, can't be taken into account bcoz they can adversely affect.
- Only one single objective is dealt with, while in real life situations, problems come with multi-objectives.
- No guarantee that we will get integer valued solutions