

Ans=11 Assumption of Linear Programming Ans=

To solve a LPP, the following assumptions are applied:

- The available quantities of resources and the consumption per unit of the products manufactured from these resources are known with certainty
- The total units of a constrained resource used equals sum of the individual resource requirements of the products in the given product mix.
- The products can be produced in fraction and resources required in manufacture too can be employed in fraction of unit.
- The problem involves only one objective (e.g. profit maximization, cost maximization etc.)
- All external factors are stationary and they remain so over the period (i.e. selling price, variable cost).