

Ans 9] - M.R.P (Material Requirement Planning)

Material Requirement Planning is the technique for planning the ordering & usage of material at various levels of production & for monitoring the stocks during these transactions.

- MRP is both inventory control & scheduling technique. It utilizes the master schedule for end product, product structure for determining requirement of sub-assemblies, component & raw material, procurement or manufacturing lead times, inventory status of products.

MRP is useful when one or all of the following conditions are present.

- ① The final product is complex.
- ② The manufacturing lead times for components & raw material are relatively long.

(3) manufacturing cycle is long to the finished product.

(4) The demand for the product is known it desirable to make specific manufacturing plans.

Objectives of MRP

- (1) To improve customer services
- (2) To reduce inventory cost by reducing inventory levels.
- (3) To improve plant operations efficiency by better use of productive resources.

Techniques of Production Control

- ⇒ Programming - inflow & outflow
- ⇒ Ordering
- ⇒ Dispatching
- ⇒ Expedited expediting / followup.
- ⇒ Inventory control.