

# PRODUCTION MANAGEMENT

2 MARKS :

UNIT - I :

## 1. Definition of Production Management :

→ According to Elwood Spencer Buffa,  
"Production management deals with decision-making related to production processes so that the resulting goods or services is produced according to specification, in the amount and by the schedule demand and at minimum cost."

## 2. Significance of Production Management :

→ Benefits of Operation management to a Organisation.

- Consumer
- Investors
- Employee
- Suppliers
- Rations.

### 3. Definition of Production System:

→ Production system is defined as a step by step conversion of one form of material into another form through chemical or mechanical process to create or the utility of the product to the user.

### 4. Type of Production System:

- Effect of volume
- Capacity of the plant
- Flexibility
- Lead time
- Efficiency
- Environment.

### 5. Definition of plant layout:

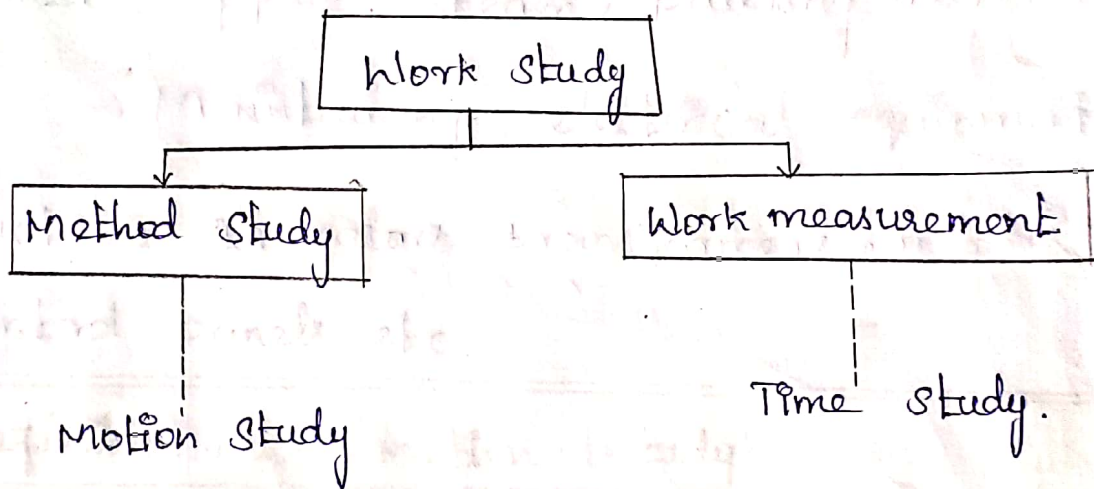
→ Plant layout is a "technique of locating different machines and plant services within the factory so that the greatest possible output of high quality at the lowest possible total cost can be available".



## UNIT - II :

### 1. Definition of Work study :

→ Work Study, as defined by British Standard Institution, is a generic term for those techniques particularly 'method study' and 'work measurement' which are used in the examination of human work in all its contexts and which lead the efficiency of improvements.



### 2. Definition of Time Study :

→ According to ILO, Time Study means "a technique for determining as accurately as possible from a limited number of observations time necessary to carry out activity at different standard of performance."

### 3. Work Measurement :

- Determines the time required to do a job
- Decides equipment requirements
- Aids in calculating exact delivery dates
- Results in effective labour control.

### 4. Maintenance of plant :

- Building construction and maintenance, maintaining services facilities such as water supply, steam, painting work.
- Maintaining electrical equipments such as generators, transformers, motors, control panels etc.

### 5. Definition of motion study :

→ Motion study, on the other hand, is the study of the body motion used in performing an operation, with the thought of improving the operation by eliminating unnecessary motion and simplifying necessary motion.



UNIT - III :1. Definition of production planning :

→ The planning in industrial operation involves three considerations namely, "What, work shall be done." How the work shall be done and lastly, when the work shall be done.

2. Definition of production control :

→ Production control refers to ensuring that all aspects are in accordance with rules and responsibilities of industrial issues.

→ Production planning and control involves generally the organization and planning of the manufacturing process.

3. Objectives of production planning :

→ Nature of the input

→ Quantity of the input

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- Proper co-ordination
- Better control
- Insures uninterrupted production
- Capacity utilization
- Timely delivery
- Pull and push.

#### 4. Definition of Routing :

→ Routing is the selection of path or route over which each piece is to travel in being transform from raws material into finished products. Fundamentaly routing determines what work will be done on product as well as where and how it will be done.

#### 5. Meant by Scheduling :

→ Work scheduling consist of the assignment of starting and completing time for the various operations to the perform.



→ Scheduling is the determination of time that is required to perform each operation and also the time required to perform the entire series of operation as routed.

UNIT - IV :

1. Definition of Quality Control :

→ Quality Control may be defined as the industrial management technique or group of techniques by means of which products of uniform acceptable quality are manufactured.

2. Inspection :

→ Inspection is the process of measuring the qualities of a product or services in terms of established standard. The standards can be in terms of strength, hardness, shape etc.

3. Definition of ISI :

→ The Indian Standards Institute mark is a standard compliance mark for industrial products. In Indian 1955. The mark certificate that the product conform to the an indian standard development, The national standard body of India.

Definition of ISO :

→ The International Organisation of Standardization is an International standard and septic body composed of representative from various national standard organizational its founded on 23 feb 1947.

4. Certificate marks :

→ A GI MARK is a certification mark employed on agricultural products in India assuring that they conform to a set of standards approved by the Directorate of



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Marketing and Inspection, an agency of the Government of India.

### 5. Significance of Quality Control :

- Reduction in costs
- Improvement in the morale of employees.
- Maximum utilization of resources
- Increase in sales
- Consumer's satisfaction.

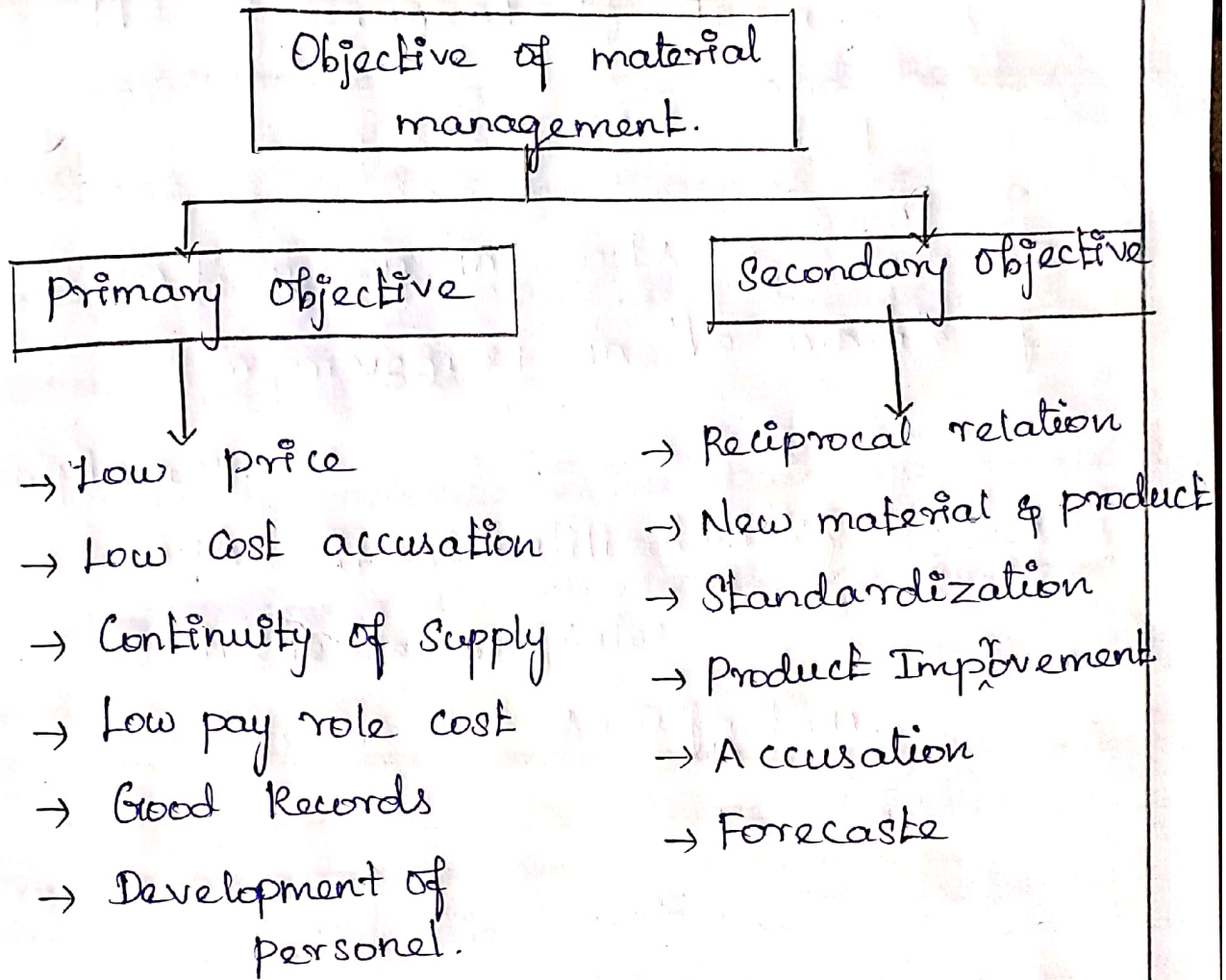
### UNIT - V :

#### 1. Material Definition of Material Management :

→ Material Management is a total concept involving an organizational structure unifying into a single responsibilities the systematic flow and control of material from identification of the need through customer delivery.

Supply of materials.

## 2. Objective of material Management :



## 3. Purchasing :

→ Purchasing is the first phase of materials Management. purchasing means procurement of goods and services from some external agencies. The object of purchase department is to arrange the supply of materials.



#### 4. Definition of store keeping :

→ According to Alford and Beatty,  
 "Storekeeping is that aspect of material control concerned with the physical storage of goods."

→ A storehouse is a building provided for preserving materials, stores and finished goods.

#### 5. Definition of Just In Time (JIT) :

→ Just - In Time (JIT) manufacturing, also known as Just - in - time production is an inventory control methodology aimed primarily at reducing times within production system as well as response times from suppliers and to customers.