

Veer Narmad South Gujarat University, Surat

Rectified Syllabus for Paper : Production Management II

S.Y.BBA SEMESTER – IV

(effective from Nov-2012)

Objective : To expose the students to basic concepts of production management like production, production management, interfacing of production function with other functions (marketing, finance and human resource functions), various production systems, plant lay out, plant location, material handling, production planning & control etc. and the supporting tools & techniques such as Inventory control, Quality control, Work study, Value analysis, Control of waste etc.

Pedagogic tools : includes the use of Lectures, Practical examples from day to day applications & industries, Video presentations, home assignments and Industrial visits.(Contents should be covered up in total about 70 sessins/periods)

Contents:

Chapter 1. :

(40 %)

Work study and Value analysis

Work study

Definition and introduction of Work study, Method study and Work measurement (Time study)

Importance of work study

Basic procedure for work study (8 steps as described by ILO) which includes the steps of method study and work measurement

Recording techniques of work study (Out line process chart, Operations process chart, Flow process chart, Two handed chart, Simo chart, Multiple activity chart , Photographic techniques of recording.

Techniques of work measurement (Time study) : (a) Direct measurement giving idea of using instruments for measurement of time and numerical problems on calculation of Standard time, (b) Synthesis, (c) Analytical estimating, (d) PMTS, (e)

Work sampling Value analysis and Engineering

Definition of value analysis and engineering

Importance of Objectives of value analysis and engineering Procedure for value analysis and engineering

Techniques of value analysis and engineering (Design analysis and Cost analysis).

Chapter 2. :

(40 %)

Production planning and control

Definition and concept of production planning and control

Levels of production planning i.e. Strategic planning, Tactical planning and Operational planning

Master production schedule, Material requirement planning and Capacity requirement planning

Operations scheduling (Definition, Objectives, Scheduling and loading guide lines, Scheduling strategies, Forward scheduling and backward scheduling, Gantt charts for scheduling, Johnson's rule and Assignment technique of scheduling, Priority sequencing rules & their numerical problems, Order release & Dispatching for priority control.

Capacity control and factors affecting capacity

Chapter 3. :

(20 %)

Quality control and Methods of controlling waste

Definition and concept of quality, quality control and quality assurance

Objectives of quality control

Methods of Quality control

Methods of controlling waste

Note : Numerical problems should be asked from chapter no 1 and 2 only

Reference Books:-

- 1) Operations Management - by Joseph Monks, McGraw Hill
- 2) Operations Management - by Everett Adams, PHI
- 3) Operations Management – by Martinich, PHI
- 4) Production and Operation Management – by K.Ashwathapa, S.Bhatt- Himalaya Publishing House
- 5) Production and Operations Management – by Chari, TMH
- 6) Work Study – ILO
- 7) Production and Operations Management – by Chunawala and Patel- Himalaya Publishing House
- 8) Operations Management – by Krajewski – PHI
- 9) Operation Management – William Stevenson, McGraw Hill