

P2PLCC11 - PRODUCTION MANAGEMENT

Module – I (12 Hours)

Productivity : Importance, Productivity ratio, Productivity measurement, Productivity Index, awareness – Improvement – maintenance (A.I.M) process. Production system : Models of production system, product Vs. Services, Process – focused & product focused systems, product strategies, product life cycle and production functions. Forecasting : Methods – Moving average, exponential smoothing, regression analysis, coefficient of co-relation, Delphi, Market Survey.

Module – II (12 Hours)

Facilities Planning : Site location, facilities layout, workplace design, working conditions – noise, illumination. Inventory Management EOQ models, safety stock and re-order level decisions, Distribution requirement planning, spare parts inventory control.

Module – III (10 Hours)

Motion study : Principles – economy, Time study – standard time.

Module – IV (12 Hours)

Production Planning & Control : aggregate planning, sequencing, Line balancing, Flow control, Dispatching, expediting, Gantt Chart, Line of balance, learning curve.

Text Books :

1. Riggs, J.L. Production Systems : Planning, Analysis & control John Wiley & Sons.
2. Buffa, E.S. & Sarin R.K. Modern Production / Operation Management, John Willey & Sons.
3. Chary, S.N. Production & Operations Management (TMH)
4. Muhelemann, Oakland & Lockyer, Production Operations Management, Macmillan.