

SUBJECT CODE : GF23/GP31/GPII23

PAPER – IX – PRODUCTION AND MATERIAL MANAGEMENT.

UNIT – I

Production function – an Introduction – Definitions and types of production systems. Strategic Planning decisions for Operations – demand forecasting for Operations.

UNIT – II

Technology and Design of products and services – capacity planning – location and Distribution.

UNIT – III

Process, jobs and facility layout – Operations planning and control – planning aggregate production, work force and inventory levels – inventory replenishment policies.

UNIT – IV

Maintaining system reliability – maintenance – quality control, quality assurance, quality circles and the emerging concept of total quality control.

UNIT – V

Industrial scheduling systems – large scale projects – Introduction to Flexible Manufacturing Systems and World Class Manufacturing.

Text Book:

Modern Production, Operations Management By E.S.Buffa 7th Edition.

References:

1. Production and Operations Management by Raymond R.Mayol.
2. Production Management by Keith Lockyer.
3. Production –Inventory Systems: Planning and Control by Buffs and Miller.