

SYLLABUS

PANJAB UNIVERSITY, CHANDIGARH

BBA 6th Semester

BBA 322 : PRODUCTION AND OPERATIONS MANAGEMENT

Objectives: This course aims to impart knowledge regarding production and operation management tools, techniques and processes and familiarize students how to take managerial decisions with respect to production function.

UNIT-I

Introduction to Production and Operations Management : Concepts, Functions, Scope, Types of Production System.

Product Design and Development : Product Design and its Characteristics, Product Development Process, Product Development Techniques.

Facility Location and Layout : Facility Location – Importance, Factors in Location Analysis, Location Analysis Techniques, Facility Layout – Objectives, Advantages, Basic Types of Layouts

Production Planning & Control (PPC) : Concepts, Objectives, Steps Work Study – Productivity ; Method Study ; Work Measurement.

UNIT-II

Production Techniques : Introduction to modern productivity techniques–Just in Time, Kanban system, Total Quality Management and Six Sigma. Make or Buy decisions.

Inventory Control and Management

Purchase Management – Objectives ; Functions ; Methods ; Procedure

Stores Management – Types of Stores ; Functions ; Coding Methods

Inventory Management – Concepts ; Classification ; Objectives ; Factors Affecting

Inventory Control Policy ; Inventory Costs ; Inventory Control tools and techniques

Quality Management and Statistical Quality Control

Maintenance Management – Concepts ; Objectives ; Functions ; Types of Maintenance
TQM, Quality Specification, Design Meaning and objectives of Statistical Quality Control.