

# SYLLABUS

## PANJAB UNIVERSITY

B.COM., (5<sup>TH</sup> SEMESTER)

BCM 504 : PRODUCTION AND OPERATIONS MANAGEMENT

### OBJECTIVES :

*The objective of this course is to enable the students to understand the concepts of production and operations management of an industrial undertaking.*

### UNIT - I

**Introduction of Production and Operations Management:** Meaning, objectives and scope. Strategic planning and Demand forecasting. Production process and analysis. Capacity planning and management. New Product/Service Design and development. Facility location. Facility layout. Production planning and control techniques- Sequencing (Processing in Job through Two Machines) and Network analysis - PERT/CPM (including Crashing).

### UNIT - II

**Work Measurement and Work Study:** Methods, analysis and various charts, Time study and principles of motion economy. Purchase management. Inventory management fundamentals: Economic Order Quantity, Quantity discount, Reorder level, Lead Time, Safety Stock, JIT. Supply Chain Management: Concept & Components of Supply Chain, Activities in Supply Chain Management, Logistics Management.