

BBA.LL.B (HONS.) – V-SEMESTER

OPERATIONS MANAGEMENT

COURSE CODE:

Course Objectives: The Objective of the course is to enable students to learn the Basics of Operations Management, which will help them in understanding actual business process. Students will learn concepts of production system, factors effecting productivity, issues of purchasing and inventory management.

Course Outcomes:

1. Understand basic concepts of production systems.
2. Appraise Production Planning and different types of layouts.
3. Compare and contrast different types of productivity and techniques for improving productivity
4. Differentiate different techniques of inventory control and inventory valuation methods.
5. Examine different techniques for quality improvement

UNIT – I: Production systems: Operations Management - Definition, Objectives and Functions, Systems concept of Production, Types of production System- Job, Batch, Flow and Mass Production.

UNIT – II: Plant layouts and Production Management: Facilities Layout – Types of layout – Process, product, Cellular, fixed position, with its advantages and disadvantages, Production Planning and control activities, Aggregate Planning-Definition, Objectives, process and the strategies. MRP I.

UNIT – III: Productivity Improvement: Factors affecting productivity and their measurement, Total productivity and factor productivity, techniques for improving productivity. Work Study – Method Study, Stop watch Time Study

UNIT – IV: Purchasing and Inventory Management: Purchase function Procedure, Meaning of Inventory, Inventory control, Economic Order quantity, Inventory analysis Methods – ABC, VED, XYZ methods – their utility. Inventory Valuation Methods: Periodic and perpetual systems; FIFO, LIFO, Average cost and Weighted Average Cost Methods.

UNIT – V: Quality Management: Inspection, Quality, Statistical Quality Control – control charts for variables and control charts for attributes, Deming, concept, Total Quality Management, Six Sigma

Text Books:

1. R.Paannerselvam, “Production and Operations Management”, 2nd Edition, PHI 2006.
2. K.Aswhappa, K.Sridhara Bhat, “Production and Operations Management”, 2nd Edition, HPH, 2010.
3. S. N. Chary, “Production and Operations Management”, 6th Edition, TMH 2006.
4. Buffa, “Modern Production Operation Management”, 6th Edition, Willey 2008.
5. Joseph S Matrinich, “Production and Operations Management”, 8th Edition, Willey 2008.