

**SARDAR PATEL UNIVERSITY**  
**Programme: Bachelor of Vocation (Banking and Financial Services)**  
**Semester: IV**  
**Syllabus with effect from: December 2015**

<b>Paper Code:</b> UB04CBVB04	<b>Total Credits: 3</b>
<b>Title Of Paper:</b> Operation Management	

Unit	Description in detail	Weightage (%)
<b>1</b>	<b>Fundamentals of Operations Management</b> Operating System and operation management: Meaning of operating System; functions of manufacturing and operations (Transport, supply and service) - Meaning, scope and importance of operations management - Role and responsibility of operations managers in modern business environment.	<b>25%</b>
<b>2</b>	<b>Production Process and Plant Layout</b> Meaning, concept and types of production process (Job, Lot, Batch and Mass Production) - Features and comparison - Meaning and objectives of Plant layout - Factor affecting plant layout - Types of plant layout (Process, Product and Fix layout)	<b>25%</b>
<b>3</b>	<b>Work Design</b> Meaning and concept of work design - Techniques of work study - Method study: meaning, objective, basic procedure, Charts & Diagrams (Man-machine chart with examples, Flow process chart and String diagram) - Time study: Meaning, objectives and basic procedure - Tools of time study	<b>25%</b>
<b>4</b>	<b>Operation/Production Planning and Control</b> Production Planning: Meaning, objectives, planning procedure, Routing, scheduling, dispatching and follow up – Production control: Meaning, objectives and importance of production control	<b>25%</b>

**Basic Text & Reference Books:**

- Material Management by K. Shridhar Bhat, Himalaya publication
- Production Management by L.C. Jhamb, Everest Publication
- Production Management by Chunawalla and Patel
- Production and Operation Management by S.N. Chary, Tata McGraw Hill
- Modern Production Management by E.S.Buffa.

**Note: Latest Edition of Text books may be used.**

**Practical's Exposure of Subjects Arrangement s will be taken care by Concerned Subjects Teacher**

