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| **SESSION** | **FEBRUARY - MARCH 2025** |
| **PROGRAM** | **MASTER OF BUSINESS ADMINISTRATION (MBA)** |
| **SEMESTER** | **3** |
| **COURSE CODE & NAME** | **DOMS301 ADVANCED PRODUCTION AND OPERATIONS MANAGEMENT**  |
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**Assignment Set – 1**

**Q1. How does Operations Management contribute to business success, and what are some emerging trends shaping this field? 5+5**

**Ans 1.**

**Role of Operations Management in Business Success**

Operations Management (OM) plays a pivotal role in the efficient functioning of any business. It involves the planning, organizing, and supervising of processes related to production, manufacturing, or the delivery of services. OM ensures that resources are used efficiently to produce goods and services that meet customer expectations. By optimizing production processes, reducing waste, managing supply chains, and maintaining quality, OM helps businesses minimize costs and improve profitability. For instance, companies like

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**Q2. What is the significance of Break-Even Analysis in operations cost management, and how does it help businesses make financial decisions? 5+5**

**Ans 2.**

**Understanding Break-Even Analysis**

Break-Even Analysis is a fundamental tool used in operations and financial management to determine the point at which total revenue equals total costs. At the break-even point, a business neither makes a profit nor incurs a loss. This analysis helps businesses understand the minimum output they need to sell in order to cover their fixed and variable costs. It is represented graphically by a break-even chart, which plots costs and revenues against output levels.

**Role in Cost Management**

Break-Even Analysis plays a crucial role in cost management by helping businesses

**Q3. Why is location planning important for business operations, and how has globalization influenced location decisions? 5+5**

**Ans 3.**

**Importance of Location Planning in Business Operations**

Location planning is a critical aspect of operations management, involving the strategic selection of a geographic site for a company’s facilities. The location of a business directly affects its operational efficiency, customer access, supply chain logistics, and cost structures. A well-chosen location can reduce transportation costs, attract skilled labor, and ensure proximity to customers and suppliers. Conversely, a poor location choice can lead to high

**Assignment Set – 2**

**4. How does workforce planning impact productivity, and what are the key elements in measuring workforce performance? 5+5**

**Ans 4.**

**Workforce Planning and Its Impact on Productivity**

Workforce planning is the strategic process of analyzing current and future labor needs to ensure the right number of people, with the right skills, are available at the right time. It directly influences organizational productivity by aligning employee capabilities with business objectives. Through effective workforce planning, businesses can anticipate talent gaps, reduce operational inefficiencies, and ensure that workforce capacity matches market

**Q5. What is the significance of lean operations in modern business, and how does time-based competitiveness influence operational efficiency? 5+5**

**Ans 5.**

**Significance of Lean Operations in Modern Business**

Lean operations refer to a systematic approach to improving efficiency by eliminating waste, reducing non-value-adding activities, and streamlining processes. Originating from the Toyota Production System, lean principles are now applied across industries to enhance productivity, quality, and customer satisfaction. In today’s competitive landscape, businesses must deliver high value at low cost—and lean operations enable this transformation.

By focusing on continuous improvement (Kaizen), lean systems minimize delays,

**Q6. What are the major challenges in implementing operations strategies, and how can businesses address ethical considerations in decision-making? 5+5**

**Ans 6.**

**Challenges in Implementing Operations Strategies**

Implementing operations strategies involves translating broad business objectives into actionable tasks across production, logistics, quality control, and resource management. However, several challenges can hinder this process. One of the primary issues is resistance to change. Employees and managers may hesitate to adopt new systems or processes due to fear of failure, lack of understanding, or attachment to old practices.

Another challenge is resource constraints. Operations strategies often require capital