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| **SESSION** | **AUG-SEP23** |
| **PROGRAM** | **MASTER OF BUSINESS ADMINISTRATION (MBA)** |
| **SEMESTER** | **IV** |
| **COURSE CODE & NAME** | **DOMS403 &PRODUCTION, PLANNING AND CONTROL** |
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**Assignment Set – 1**

**1. Define the Advanced production and planning control (APPC). Mention the key components of APPC with suitable example.**

**Ans 1.**

Advanced Production and Planning Control (APPC) is a comprehensive approach to managing and coordinating the entire production process in a manufacturing environment. This approach integrates various elements of production, planning, and control to optimize efficiency, reduce costs, and Its Half solved only

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**2. What is forecasting? Also discussed the various objectives of demand forecasting.**

**Ans 2.**

Forecasting, particularly in the context of business and economics, refers to the process of making predictions about future events based on historical data and analysis of trends. It is a crucial aspect in various fields including finance, operations, marketing, and strategic planning. The objective of forecasting is to provide a basis for decision-making and planning for the future.

**Types of Forecasting**

Forecasting can

**3. What is your understanding on Economic Order Quantity? How would you corelate Inventory costs and their relationships?**

**Ans 3.**

Economic Order Quantity (EOQ) is a critical concept in inventory management and operations research. It represents the optimal quantity of inventory to be ordered that minimizes the total cost of inventory

**Assignment Set – 2**

**4. What are Industry 4.0 trends in Product Mix and scheduling. Discuss in detail.**

**Ans 4.**

Industry 4.0, also known as the Fourth Industrial Revolution, is transforming the manufacturing landscape through advanced technologies and practices. Central to this transformation are the trends in Product Mix and Scheduling, which are becoming increasingly vital for

**5. What is your understanding on JIT - Just In Time APO - Advanced Planning Optimizer? Mention some examples also.**

**Ans 5.**

Just-In-Time (JIT) and Advanced Planning Optimizer (APO) are pivotal concepts in the realm of supply chain management and enterprise resource planning. Understanding these concepts is essential for businesses aiming to optimize their operations and maintain competitive advantages in today's fast-paced market.

**Just-In-Time (J**

**6. What is your understanding on Plant location-multiple plant production facility designs?Mention the factors affecting the selection of plant location and multiple plant location with suitable examples.**

**Ans 6.**

In the sphere of industrial organization and management, the strategic selection of plant locations and the design of multiple plant production facilities are pivotal. This decision-making process is influenced by