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| **SESSION** | **AUG/SEP 2023** |
| **PROGRAM** | **MASTER OF BUSINESS ADMINISTRATION (MBA)** |
| **SEMESTER** | **II** |
| **COURSE CODE & NAME** | **DMBA201 – PRODUCTION AND OPERATIONS MANAGEMENT** |
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**Assignment Set – 1**

**1. a. Explain the functions of Production Planning and Control 5**

**b. What is benchmarking? Explain steps of benchmarking. 5**

**Ans 1.**

**a. Functions of Production Planning and Control**

Production Planning and Control (PPC) is a critical component of the manufacturing process, playing a pivotal role in ensuring efficiency and effectiveness in operations. Its primary functions include:

1. **Planning**: At its core, PPC begins with planning. This encompasses setting production targets and preparing schedules and timelines. It involves detailed analysis of what is to be produced, in what quantities, and in what time frame, considering the available resources.
2. **Routing**: Routing determines the course and flow of work. It involves specifying the exact path through which a product travels during the manufacturing process, identifying

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**2.a. Explain basic competitive priorities considered while formulating operations strategy of a firm.**

**b. Write a short note on qualitative forecasting methods.**

**Ans 2.**

a. Competitive priorities in operations strategy are critical for firms to maintain and improve their market position. These priorities dictate how a company allocates its resources and designs its operational processes to meet specific business objectives.

1. **Cost**: A primary competitive priority for many firms is cost efficiency. Operations must be structured to minimize expenses, which includes optimizing production processes, reducing waste, and leveraging economies of scale. Effective cost management helps a

**3.a. Describe the general factors that influence the plant location decision. 8**

**b. What are the factors to be considered while developing layout for manufacturing facilities? 2**

**Ans 3.**

**a. General factors that influence the plant location decision**

Plant location and manufacturing facility layout are two critical decisions in the production and operations management field. These decisions significantly impact operational efficiency, costs, and overall business performance. In this comprehensive analysis, we will explore the factors influencing plant location decisions and the considerations for developing layouts for manufacturing facilities.

Factors Influencing Plant Location Decision

**1. Proximity to Raw Materials:** One of the primary factors in selecting a plant location is its proximity to raw materials. Industries that utilize large quantities of bulky, perishable, or raw

**Assignment Set – 2**

**1. a. Briefly describe various approaches to TQM. 8**

**b. What are the functions/tasks of a business analyst? 2**

**Ans 1.**

**a. Various approaches to TQM**

Total Quality Management (TQM) is a comprehensive and structured approach to organizational management that seeks to improve the quality of products and services through ongoing refinements in response to continuous feedback. TQM requirements may vary slightly among various sectors and businesses, but the primary elements typically include a focus on customer satisfaction, continuous improvement, and the involvement of all

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**2. a. Explain the reasons for failure of a project.**

**b. What is Bullwhip Effect in Supply Chain Management and how can it be prevented?**

**Ans 2.**

**a. Reasons for Project Failure**

**Inadequate Planning and Resource Allocation:** One of the primary reasons for project failure is inadequate planning and resource allocation. Projects often fail due to a lack of clear goals, undefined project scope, or unrealistic timeframes. This lack of planning can lead to resource misallocation, where either too many or too few resources are dedicated to certain aspects of the project. Consequently, critical parts of the project may suffer from a lack of

**3. a. What is detailed and cumulative scheduling? State the scheduling guidelines.**

**b. Discuss the concept of 5S with reference to Just-In-Time.**

**Ans 3a.**

**a. Detailed and cumulative scheduling and the scheduling guidelines**

In the realm of project management and operations, detailed and cumulative scheduling are key components that ensure the efficient allocation of resources and timely completion of tasks.

**Detailed Scheduling** refers to the process of assigning specific start and end dates to tasks within a project, considering the availability of resources, task dependencies, and project milestones. This type of scheduling is often employed in the short term, focusing on the