

NMIMS Global Access
School for Continuing Education (NGA-SCE)

Course: Operations Management

Model Answer

Important Instructions:

- The below questions and answers are only for reference purpose “*Model answers*” and will help you understand how to prepare Assignments
 - Please do not use this for submitting any assignment
 - **Understand the following:**
 - ✓ 3 major aspects of Assignment [Introduction, Concept and conclusion]
 - ✓ Marks allotted for every section
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Question:

Imagine that you are a Senior Production Planning and Control (PPC) Manager in Tata Steel and you are invited to “NMIMS Global Access School for Continuing Education” to share your knowledge in PPC. How/what are you going to explain as the role of PPC in any manufacturing company?

Answer

Introduction: [2 marks: 20% Weightage]

Production Planning and Control (PPC) department in any manufacturing company is responsible for the effective utilization of firms’ various resources such as raw material, manpower and machines. The goal of PPC manager should be to achieve the operations and production objectives with respect to quality, quantity, cost and on-time delivery. Production Planning and Control department helps the company in maintaining the uninterrupted production flow to meet customers varied demands with respect to the committed quality and committed delivery schedule.

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Concepts and Application: [6 marks: 60% Weightage]

Production Planning and Control (PPC) operation can be divided into three major parts:

- 1) Production pre- Planning and 2) Production Planning 2) Production Control.

Various pre-planning activities are: Selecting and designing of new products and services, Designing the layout of physical facilities and material handling system, Forecasting Demand of various products and services, and Workstation planning and design, etc.,.

Various activities involved in Productions Planning stage are: Planning the raw material resources, identifying the sources of resources, Determining and estimating the equipment and capacity requirements, determining the sequence of operations, and Scheduling of resources, etc.

Various activities involved in Production Control stage are: Document dispatching, Inspection of various products and processes, Adjusting manufacturing process, expediting operations by providing corrective measures for planned development, Regulate the material flow in the manufacturing process from the beginning to the end, and Evaluation of the complete Production Planning and Control cycle, etc.

Production Planning and Control (PPC) Managers may face several operational issues on a day-to-day basis. Some of the common issue faced by the PPC Managers are: Non-availability of raw materials and components at stores and shop - floor; Plant, non-availability of right tools at shop floor; equipment and machine breakdown; Sudden changes in the demand and rush orders; Absenteeism of some key operator and worker; Lack of coordination and communication between various departments of the manufacturing company, etc.

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Conclusion: [2 marks: 20% Weightage]

An efficient Production Planning and Control (PPC) department helps the organization in optimum utilization of the plant capacity and its various types of resources. It also ensures effective inventory management and control. It drives economy in production time. Also, Production Planning and Control ensures the quality of final product and service.
