

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

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:

Parameters	Description	Weightage	Marks
Introduction	<p>PPC department in any manufacturing firm is responsible for the effective utilization of firms’ resources.</p> <p>The goal of PPC manager should be to achieve the production objectives with respect to quality, quantity, cost and on-time delivery.</p> <p>PPC helps in maintaining the uninterrupted production flow to meet customers varied demand with respect to quality and committed delivery schedule.</p>	20%	2 Marks

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<p>Concepts and Application related to the question</p>	<p>PPC operation can be divided into three parts:- 1) Production pre- Planning and 2) Production Planning 2) Production Control.</p> <p><u>Production pre- Planning</u></p> <p>Various pre-planning activities are</p> <ul style="list-style-type: none"> • Selecting and designing of new product • Design the layout of physical facilities and material handling system • Forecasting Demand of various products and services • Workstation Design <p><u>Production Planning</u></p> <p>Various activities involved in Productions Planning are</p> <ul style="list-style-type: none"> • Planning the resources • Determining and estimating the equipments and capacity requirements. • Determining the sequence of operations • Scheduling of resources <p><u>Production Control</u></p> <p>Various activities involved in Production Control are</p>	<p>60%</p>	<p>6 Marks</p>
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	<ul style="list-style-type: none"> • 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 • Evaluation of the complete PPC cycle. <p><u>Common issued faced by the PPC Managers</u></p> <ul style="list-style-type: none"> • Non-availability of materials • Plant, equipment and machine breakdown • Changes in demand and rush orders • Absenteeism of workers • Lack of coordination and communication between various departments 		
Conclusion	<p>An efficient PPC department helps the organization in</p> <ul style="list-style-type: none"> • Optimum utilization of plant capacity • Inventory management and control • Economy in production time • Ensuring Quality of product and service 	20%	2 Marks



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