

# PRODUCTION PLANNING SCHEDULING AND INVENTORY CONTROL CONCEPTS TECHNIQUES AND

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**What are the techniques of production planning and control?**

**What are the 4 stages of production planning and control?**

**What is inventory control in production planning and control?** Inventory control, also called stock control, is the process of ensuring the right amount of supply is available in an organization. With the appropriate internal and production controls, the practice ensures the company can meet customer demand and delivers financial elasticity.

**What is production planning scheduling and control?** Production planning and control manages and schedules the allocation of human resources, raw materials, work centers, machinery, and production processes. It finds the most efficient way to produce finished goods with the lead times needed to meet production demand.

**What are the 5 steps in production planning?**

**What are the three types of production scheduling?** There are three types of production scheduling, master scheduling (which defines the entire process from start to finish), manufacturing or operation scheduling (for routing raw materials) and retail operation scheduling (to get the finished product from the manufacturing facility to stores).

**How to plan a production schedule?** The first step in production planning and scheduling is to analyze demand and capacity. This includes forecasting demand, evaluating available resources, determining lead time, and identifying constraints. A demand forecast helps you to estimate the production volumes needed to fulfill customer orders.

**What are the techniques of production scheduling?** Common production scheduling techniques include forward and backward scheduling, finite and infinite capacity scheduling, just-in-time (JIT) scheduling, critical path method (CPM), and advanced planning and scheduling (APS) systems.

**What are the 4 Ps of production management?** The 4 Ps are Product, Price, Promotion and Place - the four marketing mix variables under your control.

**What are the 4 types of inventory control?** Inventory control involves various techniques for monitoring how stocks move in a warehouse. Four popular inventory control methods include ABC analysis; Last In, First Out (LIFO) and First In, First Out (FIFO); batch tracking; and safety stock.

**What is an inventory control technique?** Inventory control means managing your inventory levels to ensure that you are keeping the optimal amount of each product. Proper inventory control can keep track of your purchase orders and keep a functional supply chain. Systems can be put in place to help with forecasting and allow you to set reorder points, too.

**How do you control inventory system?**

**What is the basic concept of production planning and control?** Production planning and control is a predetermined process which includes the use of human resource, raw materials, machines etc. PPC is the technique to plan each and every step in a long series of separate operation.

**How to improve production planning?**

**What is an example of production control?** Here's a simple production planning and control example: A factory produces handbags. The management plans the production of a number of bags based on demand forecasts for each design

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seasonally. Using the right material and resources, such as leather for each item, the bags are made in the factory.

**What are the strategies used in production planning and control?** The main strategies used in production planning and control are the chase strategy, level production, make-to-stock, and assemble to order.

**What are the forecasting techniques in production planning and control?** The 3 main types of production forecasting. The 3 main types of production forecasting are qualitative forecasting, causal modeling, and time series analysis.

**What are the techniques of production?** The five main types of production are Mass production, Batch production, job production and just-In-Time production, and flexible manufacturing system. The methods of production in the types stated differ and can be analyzed using factors like the manufacturing costs, the capital invested, and job security.

**What are the 3 functions of production planning and control?**

## **Unidad 2 Etapa 3: Examen de Respuestas**

### **Parrafo 1**

**Pregunta:** ¿Cuál es el verbo correcto para la siguiente frase: "Yo \_\_\_ en el parque todos los días."? **Respuesta:** Corro

**Pregunta:** ¿Cómo se dice "libro" en inglés? **Respuesta:** Book

### **Parrafo 2**

**Pregunta:** Completa la siguiente frase: "Me gusta \_\_\_ películas de acción."  
**Respuesta:** Ver

**Pregunta:** ¿Cuál es el adjetivo posesivo para "mi"? **Respuesta:** Mío

### **Parrafo 3**

**Pregunta:** ¿Cuál es la forma correcta del verbo "ser" para la primera persona del singular (yo)? **Respuesta:** Soy

**Pregunta:** ¿Cómo se dice "gracias" en español? **Respuesta:** Gracias

#### **Parrafo 4**

**Pregunta:** Completa la siguiente frase: "No \_\_\_ un coche." **Respuesta:** Tengo

**Pregunta:** ¿Cuál es el sustantivo colectivo para "grupo de personas"? **Respuesta:** Gente

#### **Parrafo 5**

**Pregunta:** ¿Cuál es la forma plural del sustantivo "amigo"? **Respuesta:** Amigos

**Pregunta:** ¿Cómo se dice "gato" en inglés? **Respuesta:** Cat

#### **A Short History of the Movies: 11th Edition**

**Q: When was the first movie made?**

**A:** The first projected movie, known as "The Horse in Motion," was created by Eadweard Muybridge in 1878.

**Q: Who invented the first motion picture camera?**

**A:** Thomas Edison invented the Kinetoscope, a motion picture viewing device, in 1891. The Kinetoscope used a series of images printed on celluloid film to create the illusion of movement.

**Q: What was the first feature-length film?**

**A:** The Story of the Kelly Gang (1906), produced in Australia, is considered the first feature-length film, running approximately 60 minutes.

**Q: When did sound films become prevalent?**

**A:** The first commercially successful sound film, The Jazz Singer (1927), revolutionized the film industry. By the early 1930s, sound had become an integral part of movie production.

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**Q: What is the impact of digital technology on the film industry?**

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**A:** Digital technology has transformed the moviemaking process, from camera and editing techniques to distribution channels. Digital cameras and post-production software have made filmmaking more accessible, while streaming platforms have opened up new avenues for audience engagement.

## **Welding Parameters for Duplex Stainless Steels with Molybdenum**

### **What are the key welding parameters to consider for duplex stainless steels containing molybdenum?**

Duplex stainless steels with molybdenum, such as UNS S32654 and UNS S32760, exhibit excellent corrosion resistance and mechanical properties. However, welding these alloys requires careful consideration of specific welding parameters to ensure optimal weld quality.

#### **1. Heat Input**

Controlling heat input is crucial for duplex stainless steels with molybdenum. Excessive heat input can lead to the formation of brittle intermetallic phases, reducing the weld's strength and corrosion resistance. Aim for a heat input of 1-2 kJ/mm, and minimize interpass temperatures to avoid embrittlement.

#### **2. Interpass Temperature**

Interpass temperatures should be maintained below 150°C to prevent sensitization, which can result in reduced corrosion resistance. Rapid cooling between passes is recommended to minimize the risk of sensitization.

#### **3. Shielding Gas**

Pure argon or helium is preferred as the shielding gas for welding duplex stainless steels with molybdenum. The shielding gas should be free of oxygen and moisture to prevent weld contamination.

#### **4. Filler Metal Selection**

The selection of filler metal depends on the base metal composition and service conditions. For UNS S32654, duplex fillers such as AWS ER2209 can be used. For

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UNS S32760, super duplex fillers like AWS ER2594 are recommended.

## 5. Post-Weld Heat Treatment

Post-weld heat treatment (PWHT) is not typically required for duplex stainless steels with molybdenum. However, PWHT at 1100-1150°C followed by rapid cooling can improve the weld's mechanical properties and reduce the risk of sensitization.

[unidad 2 etapa 3 exam answers, short history of the movies 11th edition, welding parameters for duplex stainless steels molybdenum](#)

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