

MB-320^{Q&As}

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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QUESTION 1**HOTSPOT**

You need to create production orders for the new summer limited-edition bicycles.

How should they be created? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Description	Object
reservation type for the production orders that are created	<div><div></div><div>▼</div><div>manual</div><div>release</div><div>estimated</div><div>schedule</div></div>
location in which the production orders are created	<div><div></div><div>▼</div><div>production order</div><div>sales order</div><div>purchase order</div><div>master planning</div></div>

Correct Answer:

Description

Object

reservation type for the production orders that are created

	▼
manual	
release	
estimated	
schedule	

location in which the production orders are created

	▼
production order	
sales order	
purchase order	
master planning	

Explanation: Box 1: manual

New limited-edition bicycle orders

Customers must be able to place sales orders for the item in the chosen frame configuration, including style and color.

When an order for the new limited-edition bicycle is created, payment must be provided.

An approval for an order must exist for the order to be processed.

Upon approval of an order, production must start immediately and not require re-entry of data.

Box 2: Sales order

You can create production orders for produced items directly from sales orders.

To create a production order from a sales order

Choose the Search for Page or Report icon, enter Sales Orders, and then choose the related link.

Select the sales order you want to create a production order for.

Choose the Planning action. In the Sales Order Planning window, you can view the availability of the sales order item.

Choose the Create Prod. Order action.

Select the status and order type.

Choose the Yes button to create the production order.

Reference:

<https://learn.microsoft.com/en-us/dynamics-nav-app/production-how-to-create-production-orders-from-sales-orders>

QUESTION 2

You are responsible for product and formula maintenance for a paint manufacturer.

You create a formula for white paint and add its lines. When the formula size increases or an ingredient changes, the quantity of the pigment ingredient must be adjusted proportionately.

You need to set up the formula line for the pigment.

Which formula feature should you use?

- A. Pegged supply
- B. Step consumption
- C. Scalable
- D. Variable

Correct Answer: C

References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/formulas-versions#use-the-scalable-feature>

QUESTION 3

A company implements Dynamics 365 Supply Chain Management and configures the system to support process manufacturing.

The company manufactures pain-relieving lotions. Several of the primary ingredients are delivered at different concentrations depending on the ingredient and vendor. Ingredient A is the primary active ingredient In the lotion. Ingredients is

used as a compensating ingredient.

You need to ensure that the system is set up to support the manufacturing process.

Solution: Set up the batch attributes for a minimum value, a maximum value, and a target level for the filler ingredients.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: A

QUESTION 4

You need to create the constraint for the ML seat selection.

Which expression constraint should you use?

Case Study Title (Case Study):General information

A manufacturing company produces custom configured-to-order motorcycles. The company plans to implement Dynamics 365 Supply Chain Management. The company contains one legal entity located in Missouri where all production and warehousing operations occur.

Customization options

The custom motorcycles have a variety of selections that can be selected in the listed order by the end customer, including the following:

Selection order	Option	Values
1	Engine	Small = 0, large = 1
2	Color	black, green, orange, silver
3	Trim	standard, sport, legend
4	Seat	standard, MS, ML
5	Upgrade Packages	storage package, LED headlamp, custom chrome wheels

Customization restrictions

The following restrictions on customizations are in place:

*

Green color can only be sold with the Legend Trim.

*

Orange color can be sold with the Sport or Legend Trim.

*

The ML seat must be included in the Legend package.

*

The MS seat must be included in the Sport package.

Manufacturing facilities

The company includes the following manufacturing groups: Assembly and Plastic Molding. The Assembly group is responsible for assembling the motorcycles with purchased and manufactured goods. The Plastic Molding group is responsible for manufacture of all plastic parts used in the assembly area.

Motorcycle manufacturing

The parts for the product assembly are picked from the warehouse and staged at the correct workstation by a warehouse operator for each production order.

Plastic manufacturing

Plastic parts are molded using dyes that create multiple parts at once. The parts are machined in the same production process to remove excess plastic and add additional holes for assembly. Excess plastic is recycled back into the feedstock of the same color plastic chips for use in the molding process.

Metal Parts

Raw metal parts are purchased fully machined but without primer or paint. The parts are subcontracted to a vendor for primer and paint based upon the color requirements.

Facility

The company has a single warehouse that supports both the assembly and plastic manufacturing areas. The warehouse consists of three aisles with 15 bins and three shelves. The facility has no Wi-Fi capacity but has hardwired terminal

stations throughout the assembly production line.

Transactions are currently completed by office staff. Raw materials transfer must support capacity constraints for paint and primer.

Requirements

The company has a single warehouse that supports both the assembly and plastic manufacturing areas. The warehouse consists of three aisles with 15 bins and three shelves. The facility has no Wi-Fi capacity but has hardwired terminal

stations throughout the assembly production line.

Transactions are currently completed by office staff. Raw materials transfer must support capacity constraints for paint and primer.

Sales Order

The company has the following requirements for sales orders:

*

During the configuration of a sales order, invalid combinations must be prevented.

*

Each configuration must create a unique bill of material (BOM) and Route based on options selected.

*

Sales pricing for the sales order must be based upon options selected.

*

Due to emissions regulations, the motorcycles cannot be sold to the state of California.

Motorcycle manufacturing

The company has the following requirements for motorcycle manufacturing:

*

Schedule labor only at the labor pool level without machines by day

*

Produce motorcycles within a scheduled day in any order.

*

Record actual production labor with start/stop times.

*

Record manager approval of labor entered prior to posting.

*

Post actual material consumption after production is finished.

Plastic manufacture

The company has the following requirements for motorcycle manufacturing:

*

Schedule both labor and machines.

*

Adjust schedules by using a Gantt chart.

*

Backflush standard labor by operation.

*

Post actual material consumption at the start of production.

*

Track and allocate costs to the excess plastic.

*

Report multiple molded part numbers during the same production run.

*

Determine the correct mold to use on a production order.

*

Generate a batch number for each production order.

Metal Parts

The company has the following requirements for metal parts manufacturing:

*

Schedule shipments to the vendor for painting.

*

Receive painted parts into inventory from the vendor.

*

Track vendor inventory levels.

Default You must configure defaults for manufacturing execution production orders to meet the following requirements:

*

Ensure accuracy for production order pick list posting.

*

Ensure correct pick list creation.

Issues

A. In the current system, the company cannot calculate overhead rates and determine the breakdown of material, labor, machine, and overhead costs for production.

B. The company is manually calculating an 8% overhead on materials and posting a journal manually.

A. Implies[Trim==Legend,Seat==ML]

B. Seat!=ML

C. [Trim==Legend|Seat==ML]

D. Implies[Seat==ML,Trim==Legend]

Correct Answer: D

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/pim/expression-constraints-tableconstraintsproduct-configuration-models>

QUESTION 5

DRAG DROP

You need to meet the substitution requirements for User4 and User5.

What must you configure? To answer, drag the appropriate configurations to the correct substitution requirements. Each

configuration may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

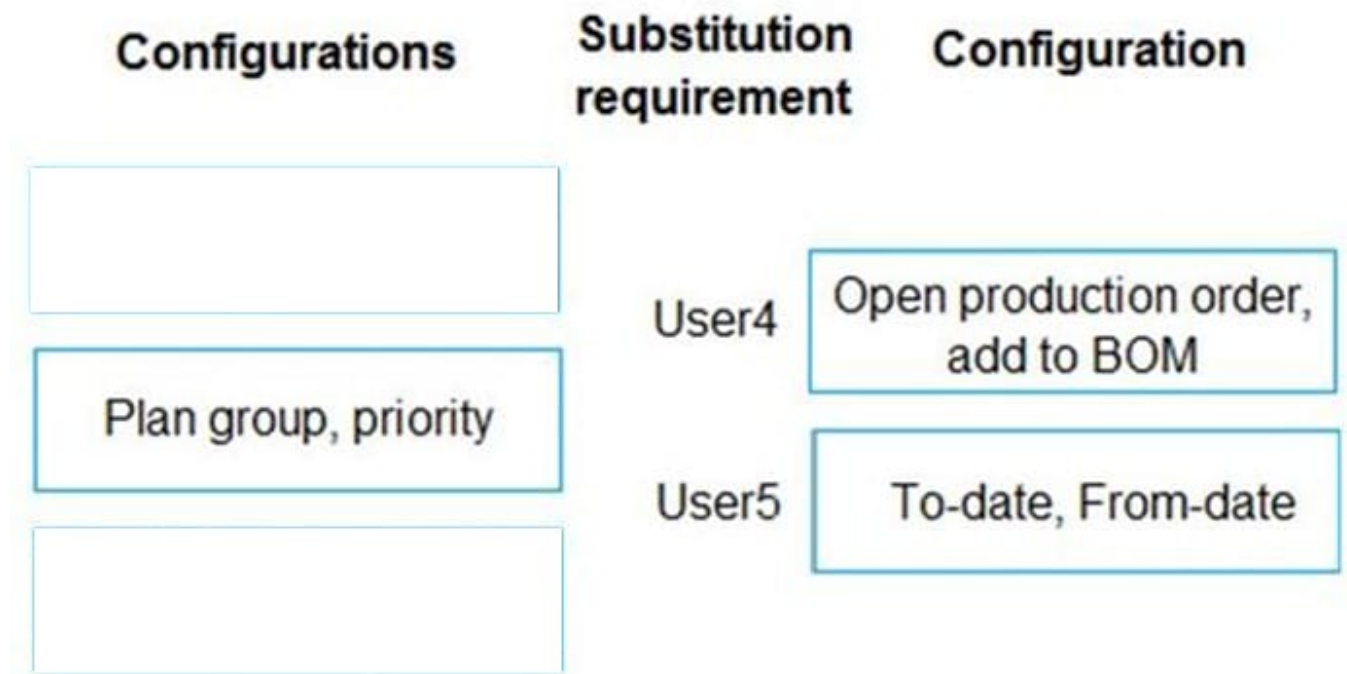
Select and Place:

Answer Area

Configurations	Substitution requirement	Configuration
To-date, From-date	User4	
Plan group, priority	User5	
Open production order, add to BOM		

Correct Answer:

Answer Area



Explanation:

Box 1: Open the production order, add to BOM

User4 reports that a bolt needed for cedar wood furniture is out of stock. A temporary substitution bolt was identified prior to starting the production order.

Substituting material during production

Consider the following scenario: A piece of metal plate is required for a welding operation. During the operation, a warehouse worker informs the machine operator that the plate is out of stock. However, it's decided that the plate can be

substituted with a plate that is slightly thicker. That way, the operation can be finalized. Material can be added to the BOM for an open production order. If the production order has a status of Started, users are asked to re-estimate the order

when they add a new item to the production BOM. After the material is added, a new picking list can be created for the new item. You don't have to add the new material to the production BOM. Instead, you can add it directly to the production

picking list. Then, when the picking list is posted, the system adds the material to the production BOM.

Note: There are three methods for substituting materials during the production process:

*

By date, when one material is substituted for another after a specific date

*

During master planning, when a material in a formula is substituted with a different material, because it's out of stock

*

During production, when a material is unexpectedly out of stock and is substituted with a different material

Box 2: To-date, From-date

User5 reports that a hinge for redwood furniture will be discontinued at the end of the year. Production must reflect an updated part.

Substituting material by date

Consider following scenario: A machine that a company is manufacturing contains a component that will expire from the vendor's catalog in two months. From the expiration date onward, the vendor will offer a new component that can be

substituted for the old component. From and to validity dates can be set up on bill of materials (BOM) lines. For this example, you set up the old component to expire by entering the expiration date in the To-date field. Then, on the BOM, you

set up the new, replacement component so that it's valid from the day after the old component expires. To do this, enter the start date in the From-date field.

Reference:

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/production-control/substitute-items-bom-lines>

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