

MB-320^{Q&As}

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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QUESTION 1

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.

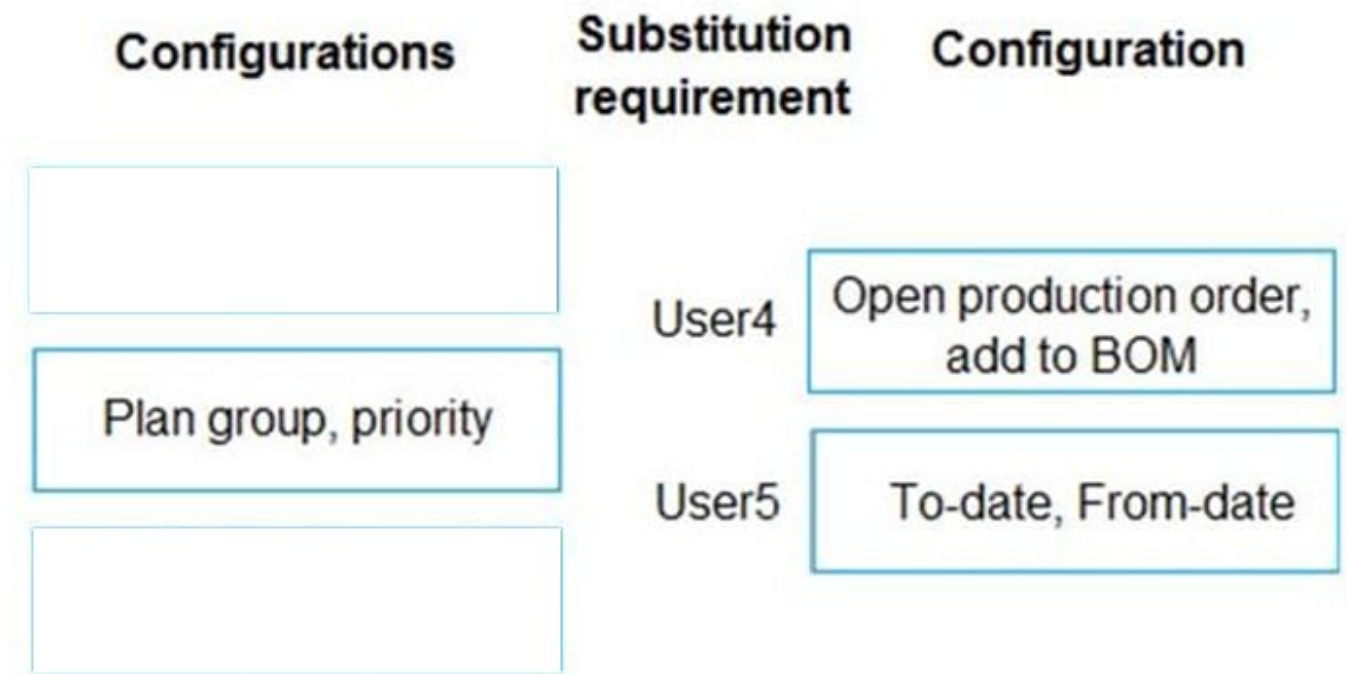
Select and Place:

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>

QUESTION 2

A company uses Process manufacturing for most products and Discreet manufacturing for other products. The company is creating a formula for a new product. The new item will be used to make a name brand product and two generic brand products.

This item has the following requirements:

1.

Production of the name brand and generic products must use the same formula.

2.

The company must produce all three items at the same time.

You need to create a produced item that can make two generic items and one main item.

How should you set up the item?

A. Create the name brand product as the main product and use a formula production type. Create the two generic items as a formula planning production type planning items. Copy the formula from the name brand item into each of the generic items.

B. Create the name brand product as the main product and use a formula production type. Create the two generic products as co-products as part of the formula for the name brand product.

C. Create the name brand item as a Bills of material production type item. Create the two generic items as a sub-assembly on the Bills of material for the name brand product.

D. Create the name brand item as a Bills of material production type item. Add the two generic items on the Bills of material for the name brand product and use line type phantom.

Correct Answer: B

QUESTION 3

You are the production supervisor in charge of setting effective cost prices for the labor force in a manufacturing company.

It is the end of the year and the labor rates have been recalculated based on new salary data.

You need to update the effective labor costs for all labor groups.

Which element must be updated?

- A. cost groups
- B. shared category
- C. resource group
- D. cost category
- E. production orders

Correct Answer: D

QUESTION 4

You maintain responsible resource calendars and production orders for a manufacturing company. All production resources use the same production calendar.

A machine in the facility is defective and must be closed for repairs for the next two days.

You need to configure the resource calendar to close the resource for production for the next two days.

What should you do?

- A. Navigate to the resource group. Change the calendar to closed on the resource group.
- B. Navigate to the calendar used for production and close the next two days.
- C. Navigate to the resource. Change the calendar to closed on the resource.
- D. Navigate to the resource and select Calendar deviations. Set the calendar to closed for the next two days.

Correct Answer: D

QUESTION 5

A company implements Dynamics 365 Supply Chain Management.

Due to increased demand and limited space in the work cell area for product L0050, you must subcontract overflow work to another company. You have the following requirements:

1.

Locate a warehouse at the subcontractor building.

2.

Support picking and shipping activity tracking.

3.

Associate costs of transporting materials between the locations in the cost of the finished product. You need to modify the production flow.

Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Modify the overflow work activity and assign it to subcontractor
- B. Create transfer activities and assign them to the subcontractor
- C. Create a resource and work cell resource group for the subcontractor
- D. Create a new production flow version
- E. Modify the overflow work operation and associate it with the subcontractor

Correct Answer: ABC

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/manage-subcontract-work-production>

QUESTION 6

A pharmaceutical company is implementing Dynamics 365 Supply Chain Management.

The formulas for medication include a single active ingredient. The active ingredient will be defined with a target level and specified deviation ranges from the target.

You need to set up the active ingredient items.

Which two actions must you perform? Each answer presents a partial solution.

NOTE: Each correct selection is worth one point.

- A. Configure inventory batch attributes.

- B. Enable serial tracking.
- C. Enable batch tracking.
- D. Configure expiry dates for a batch.

Correct Answer: AC

Explanation:

A: Products that have an active ingredient

A product can be defined by its concentration of an active ingredient. The active ingredient of a product is modeled by using a product-specific batch attribute that has a minimum value, a maximum value, and a target level.

C: To associate a base attribute with a product, the following setup is required:

The product must be batch-controlled. To make a product batch-controlled, you must assign a tracking dimension group to the product that has an active Batch dimension.

The attribute that indicates the ingredient levels must be defined as a product-specific batch attribute for the product.

To look up and edit the actual value of the active ingredient for a batch:

Go to Inventory management > Inquiries and reports > Tracking dimensions > Batches.

Select a batch number from the grid.

On the Action Pane, open the View tab and then select Inventory batch attributes.

Reference:

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/production-control/batch-balancing>

QUESTION 7

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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. IngredientA is the primary active ingredient in the lotion. IngredientB is

used as a compensating ingredient.

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

Solution: Create a formula version for each concentration level.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/batch-balancing>

QUESTION 8

HOTSPOT

A company using Dynamics 365 Supply Chain Management produces artisan breads and pastas for regional distribution.

The company is implementing master planning to manage supply ordering for its three bakeries.

Each bread and pasta recipe has been defined as a formula in the system.

Some ingredients have a limited shelf life for production use.

The bakeries must have enough cornmeal to meet demands for Friday production of muffins.

Supplies can take days or hours to arrive.

Ingredient transfers occur frequently between the different bakery facilities.

Cornmeal is purchased from one supplier that ships only on Tuesdays and Thursdays.

You need to determine the appropriate planning dates.

Which timing configuration should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Planned date

Parameter

Planned purchase order shipping date for cornmeal.

	▼
Vendor's calendar	
Warehouse calendar	
Coverage group calendar	

Planned purchase orders receipt date for cornmeal.

	▼
Vendor's calendar	
Warehouse calendar	
Coverage group calendar	

Planned transfer order receipt date.

	▼
Transport calendar	
Warehouse calendar	
Coverage group calendar	

Correct Answer:

Planned date

Parameter

Planned purchase order shipping date for cornmeal.

	▼
Vendor's calendar	
Warehouse calendar	
Coverage group calendar	

Planned purchase orders receipt date for cornmeal.

	▼
Vendor's calendar	
Warehouse calendar	
Coverage group calendar	

Planned transfer order receipt date.

	▼
Transport calendar	
Warehouse calendar	
Coverage group calendar	

Explanation:

Box 1: Vendor's calendar

Cornmeal is purchased from one supplier that ships only on Tuesdays and Thursdays.

Calendar for a vendor

To indicate the working days of a vendor, you can assign a purchase calendar to the vendor on the Purchase order defaults page for a vendor.

Box 2: Coverage group calendar

The bakeries must have enough cornmeal to meet demands for Friday production of muffins.

Calendar for a coverage group

A coverage group indicates a common set of parameters used for replenishment of the items that belong to the given coverage group.

Box 3: Warehouse calendar

Ingredient transfers occur frequently between the different bakery facilities.

Calendar for a warehouse

You can assign a calendar to a warehouse to indicate the open dates for receiving and shipping. If no calendar has been assigned to a warehouse, it is assumed that it is open all days.

Reference:

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/master-planning/supply-chain-calendars-master-planning>

QUESTION 9

A company produces custom-made bicycles that offer many different configurations.

Your standard bicycle, B-0001, is made with many common components such as a frame and wheels. Customers can choose between two frames: F-0001 or F-0009. Wheel W-0001 is only compatible with frame F-0001.

You create the following configuration groups: Frames, Wheels

You need to ensure that users can only select valid combinations of frames and wheels.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Create a new Bill of materials version with component lines for the frames and wheel options.	
Assign the Frames and Wheels configuration groups to the frame and wheel items respectively.	
Configure the two bicycle configurations.	
Add the Frames and Wheels configuration groups to the configuration route.	
Create a configuration rule for the Frames group that selects valid wheels when a frame is selected.	

Correct Answer:

Assign the Frames and Wheels configuration groups to the frame and wheel items respectively.

Create a new Bill of materials version with component lines for the frames and wheel options.

Add the Frames and Wheels configuration groups to the configuration route.

Configure the two bicycle configurations.

Create a configuration rule for the Frames group that selects valid wheels when a frame is selected.

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/pim/dimension-based-productconfiguration>

QUESTION 10

DRAG DROP

You need to implement the scheduled Kanban requirements.

Which rules should you use? To answer, drag the appropriate rules to the correct requirements. Each rule may be used, 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

Rules	Requirement	Rule
Enforce time-fencing.		
Maximum planned jobs.		
Add a production flow version.	Prevent overloading a work cell for scheduled Kanbans.	
Add a BOM version.	Visualize excess inventory in supermarket.	
Alert boundary maximum.		
Add a Kanban calculation policy.		

Correct Answer:

Answer Area

Rules	Requirement	Rule
Enforce time-fencing.		
Maximum planned jobs.		
Add a production flow version.	Prevent overloading a work cell for scheduled Kanbans.	Add a Kanban calculation policy.
Add a BOM version.	Visualize excess inventory in supermarket	Alert boundary maximum.

Explanation:

Box 1: Add a Kanban calculation policy

You can add a kanban quantity calculation policy to a kanban rule.

Create a kanban quantity calculation policy and adding it to a kanban rule to optimize the kanban size and quantities.

Capacity load

The capacity load of a kanban job is calculated when a kanban process job is created. The calculation depends on the capacity model that is used in the production flow model that is assigned to the work cell of the process job.

Throughput

The capacity load is calculated as follows:

Capacity load = Job quantity Throughput ratio

Box 2: Alert boundary maximum

Note: You must implement a scheduled Kanban rule that meets the following requirements:

Prevent overloading a work cell for scheduled Kanbans.

Visualize excess inventory in a supermarket.

Store products in supermarkets before they are consumed or shipped.

Incorrect:

* Maximum planned jobs - This field is disabled for fixed quantity kanban

Reference: <https://learn.microsoft.com/en-nz/dynamics365/supply-chain/production-control/tasks/add-kanban-quantity-calculation-policy-kanban-rule> <https://learn.microsoft.com/en-us/dynamics365/supply-chain/production-control/tasks/create-fixed-quantity-kanban-rule-manufacturing>

QUESTION 11

You are the production planner for a manufacturing company.

After running operations scheduling for a production order, the following error message displays:

Message details

Production - Operations scheduling

^ Production: P000885

^ Production - Operations scheduling

^ Production: P000885

^ Operation 10 Primary

⊗ Production order P000885 could not be scheduled. Not enough capacity could be found.

⊗ Update has been canceled.

You need to identify the cause of the error.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Navigate to the work calendar and view working times. Validate that there are working days created in the scheduled period.
- B. Review the calendar for the resource to determine if it is expired.
- C. Review the available resources for Operation 10. Navigate to the Resource form and validate whether there is a calendar assigned.
- D. Review the resource group assigned to Operation 10. Check to see if there is a calendar assigned and if the calendar is expired.

Correct Answer: BC

QUESTION 12

A process manufacturing company is implementing rebates in Dynamics 365 for Finance and Operations for some of their customers on specific items.

You are the production consultant in charge of implementing the processes needed for calculating and applying the rebates for the subset of customers and items.

You need to implement the order of transactions to process the rebates.

In which order should the actions be performed? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

cumulate rebates	
process rebates	
process sales invoicing	
generate rebates	
approve rebates	

Correct Answer:

	process rebates
	generate rebates
	cumulate rebates
	approve rebates
	process sales invoicing

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/sales-marketing/tasks/processcustomer-rebates>

QUESTION 13

A company is implementing Dynamics 365 Supply Chain Management in their manufacturing environment. The

manufacturing process uses formulas to direct material consumption on the batch orders.

During production some items in the formula must be consumed automatically from the production area, while some must be picked with their actual consumption reported on a pick list.

You need to determine which setup method is used for formula lines to allow for the desired mixed method picking processes.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Leave the flushing principle blank on formula lines and set resource consumption to direct flushing principle of materials based on consumption method for the line.

B. Leave the flushing principle blank on formula lines and set the default start value to Always for Automatic Bill of Material Consumption.

C. Leave the flushing principle blank on formula lines and set default flushing principle on the items based on consumption method for the item.

D. Set the flushing principle on each formula line based on consumption method for the line.

Correct Answer: AD

QUESTION 14

HOTSPOT

You need to meet the needs for the large teakwood furniture order.

What must you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Requirement	Feature
Create production orders for User6	<input type="checkbox"/> Wave template <input type="checkbox"/> Release to warehouse <input checked="" type="checkbox"/> Wave template <input type="checkbox"/> Work template
Production input location	<input checked="" type="checkbox"/> Fixed location <input type="checkbox"/> Resource group <input type="checkbox"/> Work template <input type="checkbox"/> Fixed location

Correct Answer:

Requirement	Feature
Create production orders for User6	<div>Wave template</div> <div>Release to warehouse</div> <div>Wave template</div> <div>Work template</div>
Production input location	<div>Fixed location</div> <div>Resource group</div> <div>Work template</div> <div>Fixed location</div>

QUESTION 15

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>manual</div> <div>release</div> <div>estimated</div> <div>schedule</div>
location in which the production orders are created	<div>▼</div> <div>production order</div> <div>sales order</div> <div>purchase order</div> <div>master planning</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>

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