



MB-320^{Q&As}

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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QUESTION 1

SIMULATION

You are a functional consultant for Contoso Entertainment System USA (USMF).

The factory of USMF has a shift that runs during the hours of 06:00 to 14:00 from Monday to Friday.

You plan to create a calendar that will use the shift.

You need to create the factory shift in the system.

To complete this task, sign in to Dynamics 365 portal.

Correct Answer:

You need to configure a working time template to define the hours 06:00 to 14:00. Then you set up a working time calendar to define the working days. For this question, we just need to configure the working time template.

1.

Click Organization administration > Common > Calendars > Working time templates. Click New to create a new line.

2.

On the Overview tab, in the Working time template field, enter an alphanumeric identifier of up to 10 characters.

3.

In the Name field, enter a descriptive name for the template.

4.

Select the tab that corresponds to the day of the week that you want to define working hours for, and click Add to create a new line.

5.

In the From field, enter the starting time for the day or the period.

6.

In the To field, enter the ending time for the day or the period. This can be defined as a day, a shift, or a temporary stop in operation, such as a lunch period.

7.

In the Efficiency field, enter the efficiency percentage.

8.

In the Property field, select the property for the selected day's working time template.

9.



Repeat steps 4 through 8 for each day of the week.

QUESTION 2

HOTSPOT

You need to configure cost calculation groups.

Which type of calculation groups should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



User

Calculation group

User1

	▼
Stop explosion	
Costing version	
Costing sheet	

User2 :

	▼
Costing sheet	
Costing version	
Cost explosion	

Correct Answer:



User

Calculation group

User1

	▼
Stop explosion	
Costing version	
Costing sheet	

User2 :

	▼
Costing sheet	
Costing version	
Cost explosion	

Explanation:

Box 1: Costing version

Note: You must set up cost calculation groups to ensure that indirect costs that originate in the manufacturing of finished goods are recognized and absorbed into the product cost.

User1 reports that the formula for the liquid cleaning solution sometimes changes during production. You must enforce the policies regarding formula editing for current and future use.

BOM calculations with standard costs must be restricted by costing version policies because the restrictions ensure



standard costing principles.

The primary purpose of a costing version is to contain cost records about items, cost categories, and calculation formulas for indirect costs.

A costing version can serve one or more purposes, depending on the data that the costing version contains. The primary purpose of a costing version is to contain cost records about items, cost categories, and calculation formulas for indirect

costs. A costing version can contain a set of standard cost records or a set of planned cost records that are based on the costing type that is assigned to the costing version.

Box 2: Cost explosion

User2 reports that costs for manufactured items are twice as high as expected.

Standard costing principles require the enforcement of restrictions about the use of standard costs for purchased items, a single level explosion mode, and the inclusion of miscellaneous charges in unit costs. In contrast, BOM calculations

with planned costs do not have to follow standard costing principles. These BOM calculations can use different explosion modes, alternative sources of cost data for purchased items, and optional enforcement of restrictions within the costing

version.

Incorrect:

*

Costing sheet Setting up the costing sheet involves two objectives. As the first objective, you define the format for displaying cost of goods sold information about a manufactured item or production order. The formatted display is termed a costing sheet. As the second objective, you define the basis for calculating indirect costs. The costing sheet setup builds on the cost group feature for displaying information and for the indirect cost calculation formulas.

*

By using the Stop explosion field, you indicate that a manufactured item should be treated as a purchased item for cost roll-up purposes during BOM calculation. Typical scenarios include a purchased item that is occasionally manufactured or a manufactured item that is now being purchased. The item is first designated as a manufactured item to define BOM and route information, and to support production orders for the item. However, the Stop explosion flag prevents cost calculations from using the item's BOM and route. Instead, the BOM calculation uses the item's specified costs.

Reference: <https://learn.microsoft.com/en-us/dynamics365/supply-chain/cost-management/bom-calculation-groups>

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/cost-management/costing-versions>

<https://learn.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/about-bom-calculations>

QUESTION 3

HOTSPOT

You need to create the new limited-edition bicycle for the summer season in Dynamics 365.

What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Hot Area:

Action

Create the new limited-edition bicycle that will be manufactured for summer.

Select the technology configuration.

Selection

	▼
Product	
Product master	
Released product	
BOM	

	▼
Dimension-based	
Predefined variants	
Constraint-based	
Rule-based	

Correct Answer:



Action

Create the new limited-edition bicycle that will be manufactured for summer.

Select the technology configuration.

Selection

	▼
Product	
Product master	
Released product	
BOM	

	▼
Dimension-based	
Predefined variants	
Constraint-based	
Rule-based	

Explanation: Box 1: Product masters Product masters and product variants In an agile world where products must be quickly adapted to customer requirements, product definitions specify a set of products instead of distinct products. In Supply Chain Management, those generic products are known as product masters. Product masters hold the definition and rules that specify how distinct products are described and behave in business processes. Based on these definitions, you can generate distinct products. These distinct products are known as product variants.

A product master is associated with a product dimension group and a configuration technology to specify the business rules. The product dimensions (color, size, style, and configuration) are a specific set of attributes that you can use throughout the application to define and track specific behaviors of the related products. These dimensions also help users search for and identify the products.

Box 2: Predefined variants Product masters and product variants, Configuration technologies You can choose among three configuration technologies:

Predefined variants - These variants are defined by predefined product dimensions. The variant definition includes the definition of a specific valid combination of dimensions, such as color, style, and size. Each combination produces a distinct product variant.

Dimension-based configuration - This technology is used in manufacturing scenarios and lets you use the Configuration dimension in the definition of the bill of materials (BOMs). After you've selected a specific configuration, the system will use the subset of BOM lines that are valid for that configuration for planning and production. This concept is also known as global BOM because one shared BOM is used for all configurations of a product.

Constraint-based configuration - This technology uses a product configuration model to describe all possible attributes and components that are required to describe all possible variants of a product in a single model. You can describe the constraints of combinations of attributes through regular expressions or table-based constraints. Configuration models and configurators become more important in product information management and are used across all industries.



Reference: <https://learn.microsoft.com/en-us/training/modules/create-products-product-masters-dyn365-supply-chain-mgmt/product-information-workspace>

QUESTION 4

SIMULATION

You are a functional consultant for Contoso Entertainment System USA (USMF).

You need to create a calendar for USMF that uses factory shifts of 06:00 to 14:00 from Monday to Friday.

To complete this task, sign in to Dynamics 365 portal. You must complete Task 1 before completing this task. Task 1 is the creation of the working time template.

Correct Answer:

We need to configure a calendar to use the working time template we configured in the previous question.

1.

On the home page, select Resource lifecycle management.

2.

Select Calendars.

3.

Select New.

4.

In the Calendar field, classify your calendar. This is the ID of the calendar, which is used as a reference when assigning calendars, such as to an operations resource or a resource group.

5.

In the Name field, name your calendar.

6.

In the Standard work day in hours field, enter a number.

7.

Make sure the row is selected, then select Working times from the Action Pane.

8.

Select Compose working times. Generate working hours for each day in the period where you want to be able to schedule work. As time goes by, you can generate working times for additional periods.

9.

In the From date field, enter a date. This is the first day that this calendar must be open.



10. In the To date field, enter a date. This is the last day that this calendar is open.

11. In the Working time template field, enter or select a value. The working time template defines the working hours for each day of the week.

12. Select OK.

13. Close the page.

Reference: <https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/create-working-time-templates>
<https://docs.microsoft.com/en-us/dynamics365/human-resources/hr-personnel-create-working-time-calendar>

QUESTION 5

A pharmaceutical manufacturer uses Process manufacturing.

You are consolidating planned batch orders for a specific medication. The order must cover two weeks of demand. No other items need to be consolidated.

You need to change the coverage group of the items.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order

Select and Place:

Actions
Change the general coverage group in the master planning parameters to the newly defined coverage group.
Edit the coverage period on the current coverage group on the medication.
Apply the new coverage group to the medication.
Delete the old coverage group from the coverage group table.
Rerun the plan.
Create a new item number for the medication.
Create a new coverage group.
Define the coverage period as the equivalent of two weeks in days.

Answer Area

Correct Answer:



Actions

- Change the general coverage group in the master planning parameters to the newly defined coverage group.
- Edit the coverage period on the current coverage group on the medication.
- Delete the old coverage group from the coverage group table.
- Create a new item number fo the medication.

Answer Area

- Create a new coverage group.
- Define the coverage period as the equivalent of two weeks in days.
- Apply the new coverage group to the medication.
- Rerun the plan.

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