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MB-320

Microsoft Dynamics 365 for Finance and Operations, Manufacturing (beta)



Sections

1. Set up and configure manufacturing
2. Create and manage production and lean orders
3. Create, process, and manage production batch orders

Exam A**QUESTION 1****DRAG DROP**

You are the production supervisor at a manufacturing company. You are in the process of configuring the production control module and its parameters.

A company plans to use manufacturing execution. Bill of materials (BOM) item consumption must be generated when items are reported at the operation level.

You need to configure the Manufacturing execution production order defaults form to allow for back flushing on operations.

How should you set up Automatic BOM consumption? To answer, drag the appropriate setting to the correct targets. Each source 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:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/production-parameters-manufacturing-execution>

QUESTION 2**DRAG DROP**

A skateboard manufacturer uses route operations to schedule resources and estimate units per hour. All products use the sample sub assembly item and resource sanding process.

You observe an increase in the number of units a sanding belt resource can produce. The production schedule is now inaccurate due to the number of units the sanding belt line can produce.

You must make a permanent change to the number of units the resource can produce for all future orders.

You need to adjust the process quantity on the route operation.

Which three 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**Answer Area**

In the Process qty, field, update the quantity.

In the engineering tab of the subassembly item, select route.

Select items on the operation that use the resource.

Select the calendar related to the resource.

Create a new working time template.

Apply the new template to the resource's calendar.



Correct Answer:

Actions

In the Process qty, field, update the quantity.

In the engineering tab of the subassembly item, select route.

Select items on the operation that use the resource.

Select the calendar related to the resource.

Create a new working time template.

Apply the new template to the resource's calendar.

Answer Area

In the engineering tab of the subassembly item, select route.

Select items on the operation that use the resource.

In the Process qty, field, update the quantity.



Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 3

HOTSPOT

A company implements Dynamics 365 for Finance and Operations. You must use functionality in the system for group production runs to prevent downtime and excessive cleaning of the machines on the production line.

You need to set up the system.

Which behaviors should you expect? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Scenario

You set up a coverage time horizon of 120 days, a sequence time horizon of 60 days, and a campaign cycle of 30 days.

Expected planning behavior

Two complete campaign cycles of 30 days, each within the 60-days sequencing time horizon.
Three complete campaign cycles of 30 days, each within the 60-days sequencing time horizon.
One complete campaign cycle of 120 days.

You set up a sequencing ID for 50 gram, 100 gram, and 200 gram packages. You assign ranking values as 1, 5, and 10 respectively.

50 gram packets, then 100 gram packets, then 200 gram packets
200 gram packets, then 100 gram packets, then 50 gram packets

Correct Answer:

Answer Area

Scenario

You set up a coverage time horizon of 120 days, a sequence time horizon of 60 days, and a campaign cycle of 30 days.

Expected planning behavior

Two complete campaign cycles of 30 days, each within the 60-days sequencing time horizon.
Three complete campaign cycles of 30 days, each within the 60-days sequencing time horizon.
One complete campaign cycle of 120 days.

You set up a sequencing ID for 50 gram, 100 gram, and 200 gram packages. You assign ranking values as 1, 5, and 10 respectively.

50 gram packets, then 100 gram packets, then 200 gram packets
200 gram packets, then 100 gram packets, then 50 gram packets

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 4

DRAG DROP

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:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 5 You are the production supervisor at a chemical processing plant. You must track attributes for each batch of chemicals. Automated quality orders must be generated when a batch order for these chemicals is reported as finished.

You need to ensure that the values of attributes are updated and tracked.

What three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Assign the attributes to the chemicals
- B. Assign the attributes to the appropriate test on the test group
- C. Create attribute types
- D. Set up batch attributes
- E. Create a test instrument for each attribute

Correct Answer: ADE

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

QUESTION 6

HOTSPOT

You are developing a new car audio system kit. The kit configuration has restrictions based on car model, speaker size, and other expression constraints.

You need to set up a new item for the car audio system.

How should you create the new product? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 7 A manufacturer produces HDMI cables. Typically, the item is manufactured.

The manufacturer will occasionally buy unbranded HDMI cables from a vendor in order to keep up with demand. The company must use the same item number whether they make or buy the item.

What should you do?

- A. Select route type as vendor on the route operation when the item is to be purchased.
- B. In default order settings, select **Production** for the default order type
- C. Create a new vendor resource when the item is to be purchased

D. In default order settings, select **Purchase** for the default order type

Correct Answer: A

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

QUESTION 8

DRAG DROP

A company manufactures high-end speakers. Customers may choose different color finishes and front grills. You build a product configuration model to represent this speaker.

You add the following attributes for the finish and grill.

Attribute	Attribute Values
Finish	Oak, Resowood
Grill	Metal, Black, Gray

Finishes	Grill
Oak	Black
Oak	Metal
Rosewood	Gray
Rosewood	Black

You need to create a constraint that defines the allowable finish and grill combinations.

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

Select and Place:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 9

DRAG DROP

A configure-to-order company is implementing Dynamics 365 for Finance and Operations. The company is preparing to use the product configuration model functionality to develop the Bill of materials (BOM), routes and valid configuration combinations.

You need to set up the configuration models, constraints, and pricing.

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:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 10

HOTSPOT

A company manufactures high-end speaker systems. You have different configurations available for customers to customize features including finishes and speaker materials. You have a product configuration model with bill of material lines and conditions for each component.

A customer can optionally add on protective covers, but only if a non-metal material is selected. If any other material is selected, the covers cannot be added. You add the following attributes:

Attribute	Attribute values
Speaker material	Metal, Polymer, Cloth
Corner protection	Yes, No

You need to create an expression-based constraint that will only allow Corner Protection if Metal is not selected.

How should you complete the expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 11

DRAG DROP

A manufacturer uses route operations and job scheduling.

You use a unique calendar for a conveyor line. The company observes a decrease in the number of hours a conveyor line resource is operational due to breakdowns. You must make a temporary change to the number of hours the resource is available.

You need to adjust the efficiency percentage for the conveyor line calendar.

Which three 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:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 12

A company produces paints and assembles bicycle frames.

You must account for paint drying time before assembly operations can begin. You need to set up the operation to encompass queue times.

Which two options can you use? Each correct answer presents part of solution.

NOTE: Each correct selection is worth one point.

- A. Enter a value in the queue time after field for the painting operation
- B. Make a resource group for each size and color and assign that group to the operation
- C. Enter a value in the transit time on the painting operation
- D. Enter a value in the queue time before field for the assembly operation

E. Build capabilities for each resource related to color

Correct Answer: AD

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

QUESTION 13

DRAG DROP

A company manufactures automobile engines.

You must create product configurations for values that are used in different types of engines. Each value is based on a master valve design. Different gaskets and fittings are used to allow valves to work with different engines.

You need to translate production plans into Dynamics 365 Finance and Operations elements.

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:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 14

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

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

QUESTION 15

A manufacturing company is implementing Dynamics 365 for Finance and Operations. The company uses a standard costing model to value inventory.

During the setup of the system, all areas that impact the standard cost of the item must be configured correctly to calculate a complete standard cost by using routing, Bill of materials (BOM) and overhead burden.

You need to verify that all areas of the system are correctly configured.

Which object does NOT impact the standard cost of manufactured items?

- A. item group
- B. cost groups
- C. cost categories
- D. BOM formula

Correct Answer: D

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

QUESTION 16

DRAG DROP

A glass bottle manufacturer uses route operations to schedule resources and track manufacturing costs.

The company has recently seen an increase in demand and purchases another resource. The company uses the same costs per resource. However, the new resource costs more to run. The company must be able to track cost contributions for the new resource.

You need to create a cost category for the new resource.

Which three 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.

NOTE: Each correct selection is worth one point.

Select and Place:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/cost-management/cost-categories-used-production-routings>

QUESTION 17

DRAG DROP

You are the product design manager for a computer manufacturer.

Your new laptop model is configurable. There are restrictions on which hardware components can be selected depending on the model. You create configuration groups for hardware and software.

You need to create a new laptop item number and configurations.

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:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/pim/dimension-based-product-configuration>

QUESTION 18 A company is looking to use Dynamics 365 for Finance and Operations.

The company is in the process of redesigning and retooling an existing manufacturing plant to group similar, cellular operations to improve efficiency and minimize wasted time between operations. They want to locate raw materials close to where they are needed without losing reorder visibility.

You need to set up their environment.

Which kind of production type should you implement?

- A. Lean manufacturing
- B. Process manufacturing
- C. Discrete manufacturing
- D. Manufacturing execution

Correct Answer: A

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

QUESTION 19 A company is looking to use Dynamics 365 for Finance and Operations.

The company is in the process of redesigning and retooling an existing manufacturing plant to support a large long-running contract. They want to be able to forecast capacity to easily ramp up for additional products.

You need to set up the environment.

Which type of manufacturing should you implement?

- A. Lean
- B. Discrete
- C. Job shop
- D. Process

Correct Answer: C

Section: Set up and configure manufacturing Explanation

Explanation/Reference:



QUESTION 20

DRAG DROP

A company plans to implement Dynamics 365 for Finance and Operations.

You need to determine which manufacturing solutions to use.

Which manufacturing solution should you use? To answer, drag the appropriate setting to the correct drop targets. Each source 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:

Correct Answer:

Section: Set up and configure manufacturing Explanation

Explanation/Reference:

Explanation:

QUESTION 21

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solutions, while others might not have a correct solution.

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 for Finance and Operations for their Lean manufacturing environment.

There has been an engineering change to a fixed quantity product that is in production. This change will add an additional processing step as the second step. The existing version must be phased out and replaced by the new version.

You need to ensure that the engineering change takes affect at the end of the month.

Solution:

- 1.) Edit the existing step number two activity to be the new engineering process
- 2.) Edit the existing production flow. Set the expiration date due to the end of the month
- 3.) Edit the existing Kanban rule. Set the expiration date to the end of the month
- 4.) Activate the production flow

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 22

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solutions, while others might not have a correct solution.

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 for Finance and Operations for their Lean manufacturing environment.

There has been an engineering change to a fixed quantity product that is in production. This change will add an additional processing step as the second step. The existing version must be phased out and replaced by the new version.

You need to ensure that the engineering change takes affect at the end of the month.

Solution:

- 1.) Create an activity for the new process step and add it to the existing production flow. Set the expiration date to the end of the month
- 2.) Create a Kanban rule that incorporates the new activity with an effective date of end of the month
- 3.) Edit the existing Kanban rule. Set the expiration date to the end of the month.
- 4.) Activate the new production flow

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 23

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solutions, while others might not have a correct solution.

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 for Finance and Operations for their Lean manufacturing environment.

There has been an engineering change to a fixed quantity product that is in production. This change will add an additional processing step as the second step. The existing version must be phased out and replaced by the new version.

You need to ensure that the engineering change takes affect at the end of the month.

Solution:

- 1.) Add a new version to the existing production flow. Set the expiration date to the end of the month.
 - 2.) Create an activity for the new process step and add it in the proper sequence
 - 3.) Create a Kanban rule that incorporates the new activity. Set the expiration date to the end of the month.
 - 4.) Edit the existing Kanban rule. Set the expiration date to the end of the month. Specify the new Kanban rules as the replacement rule
- Does the solution meet the goal?

- A. Yes
B. No

Correct Answer: B

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 24

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solutions, while others might not have a correct solution.

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 manufacturing plant uses Lean process. You plan to outsource a painting operation to a subcontracting vendor. You create a service item named SP-01 to represent the painting service.

You need to create a subcontracting activity for the painting service.

Solution:

- 1.) Create a purchase agreement for the subcontracting vendor that contains the pricing information for SP-01
 - 2.) Create a vendor resource and a work cell for outsourced painting, then add the resource to the work cell
 - 3.) Create a production flow process activity using the painting work cell and the service item as the picking activity
 - 4.) Create a service term on the activity to tie the purchase agreement to the activity
- Does this solution meet the goal?

- A. Yes
B. No

Correct Answer: A

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/activity-based-subcontracting>

QUESTION 25

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solutions, while others might not have a correct solution.

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 manufacturing plant uses Lean process. You plan to outsource a painting operation to a subcontracting vendor. You create a service item named SP-01 to represent the painting service.

You need to create a subcontracting activity for the painting service.

Solution:

- 1.) Create a vendor warehouse for the subcontracting vendor
 - 2.) Create a vendor resource and add it to a new work cell for outsource painting
 - 3.) Create a production flow transfer activity and specify the vendor warehouse as the target warehouse
- Does this solution meet the goal?

- A. Yes
B. No

Correct Answer: B

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 26

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solutions, while others might not have a correct solution.

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 manufacturing plant uses Lean process. You plan to outsource a painting operation to a subcontracting vendor. You create a service item named SP-01 to represent the painting service.

You need to create a subcontracting activity for the painting service.

Solution:

- 1.) Create a purchase agreement for the subcontracting vendor and add SP-01 as the painting service
- 2.) Create a vendor resource then create a work cell for outsourced painting and add the resource to the work cell
- 3.) Create a production flow process activity for the painting work cell and add the component to be painted as a picking activity
- 4.) Create a service term to tie the purchase agreement to the activity

Does this solution meet the goal?

- A. Yes
B. No

Correct Answer: B

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 27

HOTSPOT

A company produces light projection toys for holiday decorations. The company plans to implement Lean manufacturing processes.

Production master data must meet the following requirements:

- Visual templates for a holiday must only be included for in-store products where that holiday is celebrated
- Visual templates for a holiday must only be included for in-store products based upon that season
- Online customers must be able to order visual templates for any holiday or region.

You need to implement production master data.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

DRAG DROP

A company uses manufacturing execution for processing of production orders. Multiple production orders from last week need to be ended.

You need to process the time registrations to allow the orders to end.

Which four steps 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:

Correct Answer:

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

DRAG DROP

A company uses warehouse management and manufacturing execution to process their production orders.

You configure the manufacturing execution production order defaults to always consume Bill of materials (BOM) components when an operation step is completed in the job registration terminal. You create a production order. The order is in released status.

You need to process this order all the way through to end status.

Which four actions should you perform in sequence? To answer, check the appropriate actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

Explanation:

QUESTION 30 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

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

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

QUESTION 31

You are a process engineer evaluating Lean vs. Discrete processing. You want to convert a Kanban item.

The item has the following Lean setup:

- The setup uses a Lean schedule group with a throughput ratio=2
- The process activity tied to production flow has the following runtime activity times: time=3 min, per quantity=1
- The work cell capacity has a model type of Throughput and an average throughput quantity of 60 per a capacity period of standard workday (8-hour day)
- The throughput is 10 per hour

You need to set up a Discrete operation to mirror the item's production flow activity.

What should you do?

- A. Create a route with a runtime =1, a process quantity =6, and the operation's hours/time =1
- B. Create a route with a runtime =1, a process quantity =10, and the operation's hours/time =1C. Create a route with a runtime =6, a process quantity =1, and the operation's hours/time =1
- D. Create a route with a runtime =10, a process quantity =6, and the operation's hours/time =1

Correct Answer: B

Section: Create and manage production and lean orders

Explanation

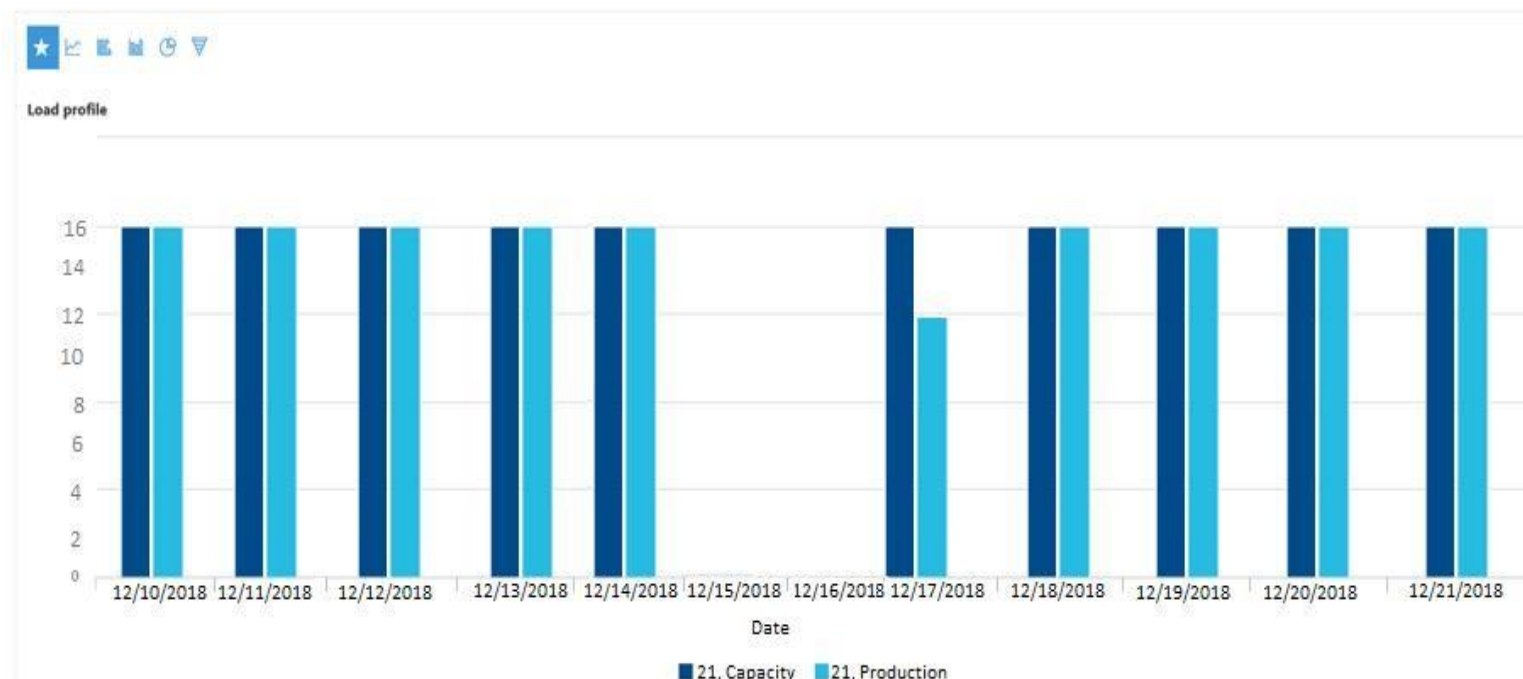
Explanation/Reference:

QUESTION 32

HOTSPOT

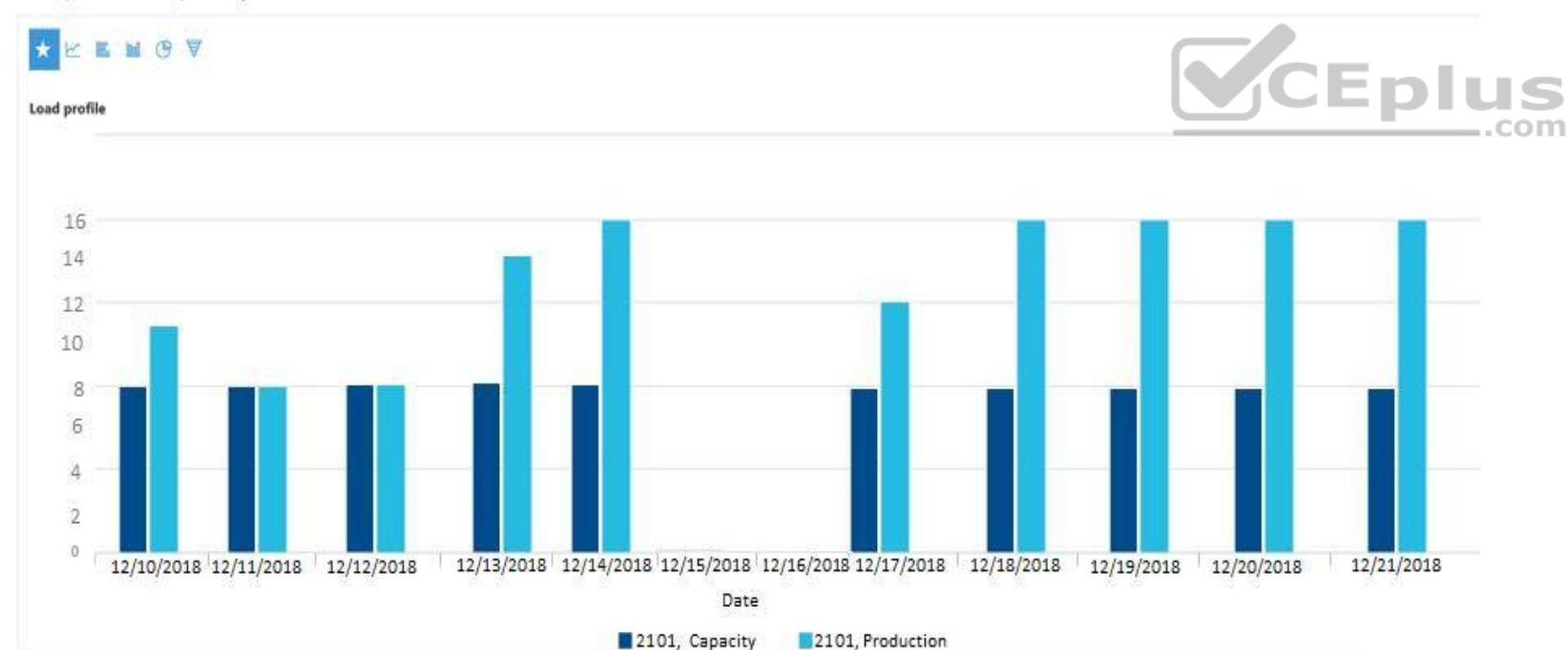
You are the production scheduler for a manufacturing company. You have run the Resource Group Capacity report as shown in the Resource Group 21 Capacity exhibit. (Click the **Resource Group 21 Capacity** tab).

Graphical capacity load

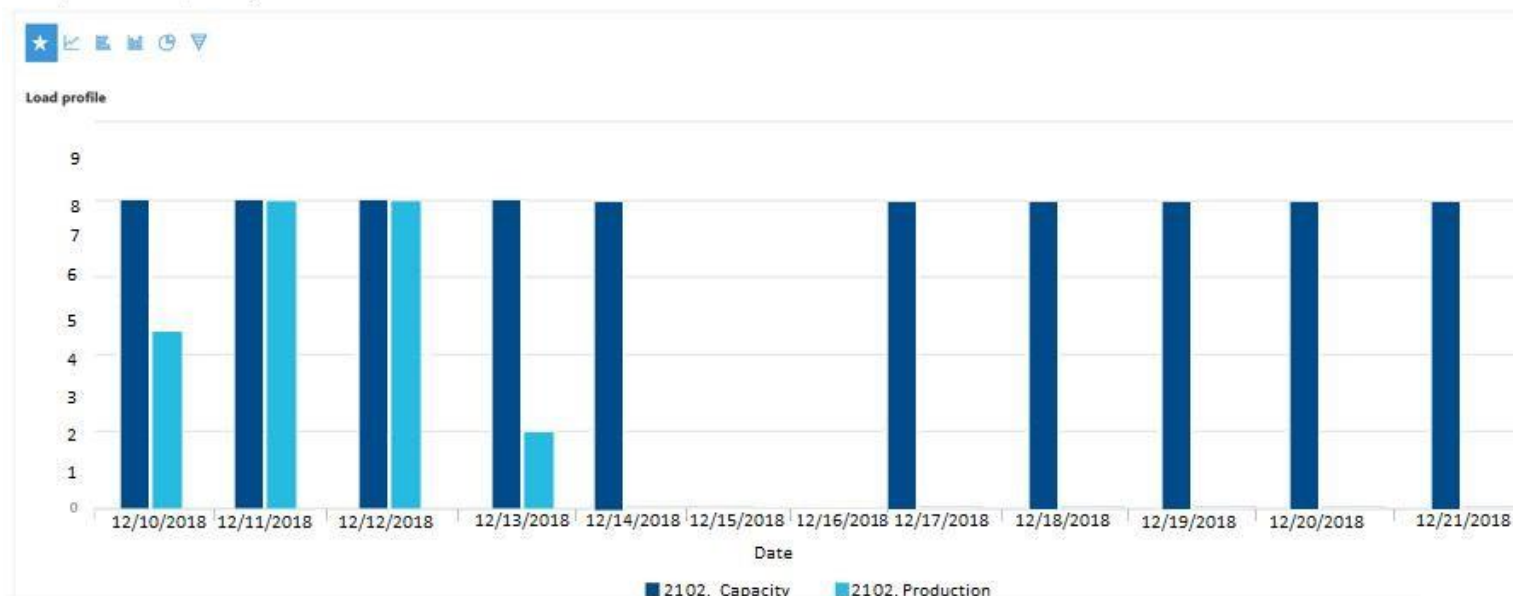


After reviewing that report, you run Resource Capacity reports as shown in the Resource 2101 and 2102 Capacity exhibits. (Click the **2101 Capacity** and **2102 Capacity** tabs.)

Graphical capacity load



Graphical capacity load



You run the Gantt chart report as shown in the Gantt exhibit to determine the production orders scheduled on the resources. (Click the **Gantt** tab.)

Gantt chart - Resource view						2008 December																						
Reference number	Oper. No.	Route/job type	Resource	Start	End	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				
2101: Filer																												
B-000017	10	Process	2101	12/10/2018 07:00:00	12/27/2018 08:10:44																							
B-000017	18	Process	2101	12/13/2018 09:29:00	12/17/2018 08:05:33																							
B-000020	10	Process	2101	12/17/2018 12:30:00	12/18/2018 01:32:42																							
B-000021	10	Process	2101	12/18/2018 01:29:00	12/24/2018 03:44:39																							
B-000022	10	Process	2101	12/10/2018 07:30:00	12/10/2018 10:38:03																							
2102: Filer																												
B-000019	10	Process	2102	12/10/2018 10:39:00	12/13/2018 09:28:50																							

You need to determine the method to schedule the production lines.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

HOTSPOT

You are the production scheduler at a manufacturing company. You schedule estimated production orders and ensure that capacity is used efficiently.

You have an order that must be scheduled at the resource group level and scheduled backward from the delivery date specified on the production order.

You need to schedule the order.

Which scheduling parameters should you use? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

Explanation:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/operation-scheduling-options>

QUESTION 34

You work for a gem wholesaler that sells raw diamonds. Diamonds are purchased and sold in individual boxes but weighed and inventoried in carats.

You are setting up a catch weight item for diamonds. Each box of diamonds must be tracked by its individual container weight.

You need to set up this item as a full visibility catch weight item.

Which two steps must you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Assign it a Serial number group with **per qty.** defined as 1.
- B. Assign the item a Tracking dimension group with active **serial number control**.
- C. Create an inter-class unit of measure conversion between boxes and carats.
- D. Assign a Tracking dimension group with batch number as the only active tracking dimension.

Correct Answer: BC

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

References: <https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/create-a-catch-weight-item-with-full-visibility>

QUESTION 35

DRAG DROP

You manage pricing for a food processing company. The raw meat used by the business is a commodity-traded product and has a changing purchase price.

You must implement the commodity pricing module. You create a pricing template with margin data.

You need to calculate the cost price for the manufactured goods as well as the sales price based on margin standards.

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

Create trade agreements for purchased items

Create trade agreements for manufactured item

Create price and margin data

Create price calculations for raw material
commodity prices

Create price calculation for manufactured item
prices

Create a cost basis type

Post trade agreements



Answer Area



Correct Answer:

Actions

Create trade agreements for purchased items

Create trade agreements for manufactured item

Create price and margin data

Create price calculations for raw material commodity prices

Create price calculation for manufactured item prices

Create a cost basis type

Post trade agreements

Answer Area

Create a cost basis type

Create price and margin data

Create price calculations for raw material commodity prices

Post trade agreements



Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

Explanation:

QUESTION 36 You are building the Bill of materials (BOM) for a new production item. The new item has a subcomponent.

Subproduction orders for the subcomponent must be created when estimating production orders.

You need to configure the BOM line to generate subproduction orders.

Which BOM line type should you use?

- A. Phantom
- B. Vendor
- C. Item
- D. Pegged supply

Correct Answer: D

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/bill-of-material-bom>

QUESTION 37

DRAG DROP

A company uses Process manufacturing.

You need to review formulas and how the different ingredient types impact the batch balancing process.

Which ingredient types should you use? To answer, drag the appropriate ingredient types to the correct scenarios. Each ingredient 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:

Correct Answer:

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

Explanation:

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

QUESTION 38

A company is implementing Dynamics 365 for Finance and Operations 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

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 39

HOTSPOT

A customer produces light projection toys for holiday decorations throughout the year. Because holidays vary by region and time of year, the company wants to implement Lean manufacturing.

The production process creates the toys at the following work cell: stands, main assembly, electric, visuals, and packaging.

You need to implement the production process.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Section: Create and manage production and lean orders**Explanation****Explanation/Reference:**

Explanation:

QUESTION 40

DRAG DROP

A company that uses Lean manufacturing concepts to produce paper plates has redesigned the layout of the warehouse and production floor.

The company's production flow activities no longer match the tasks of the workers. Employees use paper and manual communication to complete the tasks.

You need to update the production flows to match their current processes by deactivating the obsolete production flows and creating new ones.

Which five 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:**Correct Answer:****Section: Create and manage production and lean orders****Explanation****Explanation/Reference:**

Explanation:

QUESTION 41

DRAG DROP

A company uses Discreet manufacturing concepts to produce cables. The company's production scheduler uses internal documents to track issues on in-process production orders.

The production scheduler must group all in-process production orders according to issues. The scheduler must be able to easily determine issues with production orders.

You need to implement a method to easily identify production orders with issues.

Which three 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:**Correct Answer:****Section: Create and manage production and lean orders****Explanation****Explanation/Reference:**

Explanation:

QUESTION 42

You have a product that can be manufactured on two different production lines in the same warehouse. You create resources and then create individual input locations for the resources. You create two routes. Each route uses different resources.

Materials are staged for consumption in different locations based on the resources being utilized for production.

You need to set up the formula to consume the goods from the correct line-side location.

What should you do?

- A. Select a warehouse and consumption operation for each line.
- B. Select resource consumption and the operation for each line.
- C. Select the plan group and consumption operation for each line.

D. Specify a site in the formula header.

Correct Answer: B

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 43

You are responsible for training the operations staff on production transactions in Dynamics 365 for Finance and Operations. The company uses backflushing for material consumption principles.

You need to train the operators on how to report unintended scrap.

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. Report additional time in route card journal
- B. Post additional materials in a picking list journal
- C. Report an error quantity at Report as finished
- D. Report an additional good quantity at Report as finished

Correct Answer: BC

Section: Create and manage production and lean orders

Explanation

Explanation/Reference:

QUESTION 44

A manufacturing company uses discreet manufacturing to make skateboards. Production order picking lists are manually posted after finished goods are reported as finished.

A production order has six picking lists posted. The quantities on the picking lists do not match any of the reported or finished quantities. This causes an inventory error for the raw materials. All raw material transactions must be tracked on production order and reconciled.

You need to process a single picking list for each production order.

What should you do first?

- A. Create a movement journal and select the proper account for production postings to reconcile the inventory that was posted in error B. Delete the six posted picking list journals
- C. Create a production picking list. When creating lines select option **Full reversal**.
- D. Create a counting journal to reconcile the inventory that was posted in error.

Correct Answer: C

Section: Create, process, and manage production batch orders

Explanation

Explanation/Reference:

QUESTION 45

HOTSPOT

A company produces lotions for pain relief and uses Dynamics 365 for Finance and Operations.

You have been provided the following information for a new relieving lotion.

Released Products	Shelf advise period in days	Shelf life period in days	Inherit Shelf Life dates to end item	Inherit Batch Attributes to end item	Concentration	Viscosity	Acidity
Arnica	30	60	Yes	Yes	x		
Juniper Oil	30	60	Yes	Yes	x		
Aloe Leaf Juice	30	120	Yes	No			
Vegetable Glycerin	60	120	Yes	Yes	x	x	
Purified Water	120	365	Yes	No			x
Relieving Lotion FG	60	60	Yes	Yes	x	x	x

Pick List Information

Product	Batch Nbr	Manufacturing date	Last tested date	Shelf advice date	Expiration date	Best before Date	Concentration	Viscosity	Acidity
Arnica	M00255	5/5/2019		6/5/2019	7/2/2019	6/17/2019	18.23%		
Arnica	M00375	6/15/2019		7/14/2019	8/14/2019	7/30/2019	25.11%		
Juniper Oil	M00148	4/2/2019		5/2/2019	6/1/2019	5/17/2019	28.56%		
Juniper Oil	M00685	4/23/2019		5/23/2019	6/22/2019	6/7/2019	31.42%		
Aloe Leaf Juice	M00800	3/24/2019		4/23/2019	11/24/2018	11/9/2018	63.87%		
Vegetable Glycerin	M00142	2/20/2019	4/21/2019	4/21/2019	6/20/2019	6/5/2019	11.78%	57.25	
Purified Water	M00056	10/30/2018	2/27/2019		10/30/2019	10/15/2019			7.22

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Section: Create, process, and manage production batch orders Explanation

Explanation/Reference:

Explanation:

QUESTION 46

A customer produces light projection toys for holiday decorations throughout the year. Vendors have negotiated rebate agreements as a condition of their contract. The contract also contains the visual templates required for the customer to use in a season.

Vendor rebate agreements must only be applied if the following requirements are met:

- Units of measure for deliverables are the same unit of measure as on the agreement ▪
- The agreement is valid as of the date a purchase order is generated

You need to configure the vendor rebate agreements.

What should you do?

- A. Set the Rebate line break type field value to **Amount**
- B. Set the Rebate line break type field value to **Quantity**
- C. Set the Cumulative purchase by field value to the beginning of the season date
- D. Set the Unit of measure rebate option field value to **Exact match**

Correct Answer: D

Section: Create, process, and manage production batch orders **Explanation**

Explanation/Reference:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/procurement/vendor-rebates>

QUESTION 47

A paint manufacturer is using Process manufacturing. The manufacturer has a quality error. Batches of paint that use the wrong formula have been marked for rework.

The production planner reports they cannot schedule the batch order even though the order has been estimated.

You need to add reservations to the items to be used for the rework order.

What should you do?

- A. Reserve the inventory in the formula
- B. Reset the batch order and delete the formula items. Re-enter the formula items
- C. Add by-products that need to be used and then re-estimate
- D. Add co-products that need to be used and then re-estimate

Correct Answer: A

Section: Create, process, and manage production batch orders **Explanation**

Explanation/Reference:



QUESTION 48

DRAG DROP

You are the product manager at a paint manufacturing company. Paint base is produced in 100 gallon batches. The paint base can be packaged in 1 gallon, 5 gallon, and 10 gallon containers.

You want to use consolidated batch orders for the bulk paint base item. You need to set up the items and formulas to allow for consolidated batch orders.

Which three 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

- Create the formulas for the different container sizes and define the bulk item on the formula header.
- Create one product master to represent the bulk item. Use an active size dimension for the container sizes.
- Create size variants for the three container sizes.
- Set up bulk item conversions between the packed products and the bulk item.
- Create a new item for bulk paint base and items for the three container sizes.
- Create three formula versions for the different container sizes.

Answer Area

Correct Answer:

Actions

- Create the formulas for the different container sizes and define the bulk item on the formula header.
- Create one product master to represent the bulk item. Use an active size dimension for the container sizes.
- Create size variants for the three container sizes.
- Set up bulk item conversions between the packed products and the bulk item.
- Create a new item for bulk paint base and items for the three container sizes.
- Create three formula versions for the different container sizes.

Answer Area

- Create a new item for bulk paint base and items for the three container sizes.
- Set up bulk item conversions between the packed products and the bulk item.
- Create the formulas for the different container sizes and define the bulk item on the formula header.

Section: Create, process, and manage production batch orders Explanation

Explanation/Reference:

Explanation:

QUESTION 49

DRAG DROP

A company implements Dynamic 365 for Finance and Operations. You run the latest master plan. You observe invalid results.

You need to set up tracing for the master plan.

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:

Actions	Answer Area
Create a User Defined Node Data Collector Set in Performance Monitor.	
Add the keyword MRP to the Keywords property table and add the location for the log file.	
Select the Create data logs and Event trace data check boxes.	
Save and close the setup wizard and the start the monitor.	
Add the Microsoft-Dynamics AX-Tracing provider to the Event Trace Providers list.	

Correct Answer:

Actions	Answer Area
Create a User Defined Node Data Collector Set in Performance Monitor.	Create a User Defined Node Data Collector Set in Performance Monitor.
Add the keyword MRP to the Keywords property table and add the location for the log file.	Select the Create data logs and Event trace data check boxes.
Select the Create data logs and Event trace data check boxes.	Add the Microsoft-Dynamics AX-Tracing provider to the Event Trace Providers list.
Save and close the setup wizard and the start the monitor.	Add the keyword MRP to the Keywords property table and add the location for the log file.
Add the Microsoft-Dynamics AX-Tracing provider to the Event Trace Providers list.	Save and close the setup wizard and the start the monitor.

Section: Create, process, and manage production batch orders Explanation

Explanation/Reference:

Explanation:



QUESTION 50

You are the lead product design engineer at a plastics manufacturing company. You implement a new process that uses a single tool to produce three finished goods at the same time.

You need to set up the planning item number and formula to correctly to manufacture the three items.

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

NOTE: Each correct selection is worth one point.

- A. Create item number for planning item and the associated formula
- B. Add minimum and maximum quantities on formula
- C. Add a coverage group to the formula
- D. Assign co-products to the formula
- E. Specify each of the finished good items as co-products

Correct Answer: ADE

Section: Create, process, and manage production batch orders Explanation

Explanation/Reference:

QUESTION 51

A company produces homeopathic lotions for pain relief and uses Dynamics 365 for Finance and Operations. You have replaced the vendor of a product's active ingredient with a new vendor. The new vendor is supplying the ingredient at a higher concentration of 25 percent.

The previous vendor concentration was 15 percent. You are consistently running out of two of the complimentary ingredients.

You need to update the formula and ingredient settings to allow for better order planning.

What should you do?

- A. Modify the factor value of the compensation principle
- B. Modify the minimum and maximum value of the attribute for the active ingredient
- C. Modify the target value of the attribute for the compensating ingredients
- D. Modify the target value of the attribute for the active ingredient

Correct Answer: A

Section: Create, process, and manage production batch orders **Explanation**

Explanation/Reference:

QUESTION 52

You are the production scheduler at a manufacturing company. The company is not using advanced warehousing.

You have firmed a planned production order from master planning. The order is ready to be processed.

You now need to process the order in production control.

What should you do first?

- A. Report the order as finished
- B. Estimate the order
- C. Schedule the order
- D. Start the order

Correct Answer: B

Section: Create, process, and manage production batch orders **Explanation**

Explanation/Reference:

QUESTION 53 A company produces various products using Process manufacturing.

The manufacturer makes two co-products from a formula and rarely produces the primary formula item. The costs of making the co-products are inflated. The manufacturer must update the costs of producing the co-products and change the formula to not produce the primary formula item.

You need to change the primary formula item type.

What should you do?

- A. Associate the costs to produce by-products with the items
- B. Change the primary formula item to use the planning item type
- C. Change the cost of the primary formula item to zero and then recalculate the item cost
- D. Change the production type to Bill of materials and recalculate the item cost

Correct Answer: B

Section: Create, process, and manage production batch orders **Explanation**

Explanation/Reference:

QUESTION 54

A chemical manufacturing company uses Dynamics 365 for Finance and Operations. A batch of material has a quality issue and must be reworked.

You need to create the rework order the production.

Which three options must be set? Each correct answer presents part of the solution.



NOTE: Each correct selection is worth one point.

- A. Reserve the reworked inventory after estimation
- B. Set the item as a Formula production type
- C. Specify the batch number of the batch order
- D. Set the batch order as a rework batch
- E. Pick the reworked inventory after estimation

Correct Answer: ABD

Section: Create, process, and manage production batch orders **Explanation**

Explanation/Reference:

QUESTION 55

HOTSPOT

You are a manufacturing consultant helping a client test out different bill of material (BOM) and route consumption options when starting production orders. Material and labor consumption are to be completed before Report as finish.

You are running a production order with BOM lines that have a Flushing principle set to Start. The Automatic Route Consumption Runtime has been set to Yes.

You have set up the default Start user options for all production orders as shown in the exhibit below.




Set up start

Use on selected orders

START

Date

12/18/2018 

Start production

Yes ☒

References

No ☐

ROUTE CARD JOURNAL

Route card

Route 

Automatic route consumption

Always 

Post route card now

Yes ☒

End-mark route

No ☐

Make default for all users

JOURNALS

Show journal info

Yes ☒

PICKING LIST JOURNAL


Picking list

Pick 

Automatic BOM consumption

Flushing principle 

Create journal per



Post picking list now

No ☐

Physical reduction

No ☐

Complete picking list journal

Yes ☒

End-mark picking list

Yes ☒

Pick negative

No ☐

Print picking list

No ☐

Print options



Hot Area:

Answer Area

Based on the settings in Route Card Journal area, what will happen when the production order is started?

	▼
A route card that includes only hours is posted	
A route card that only includes hours and good quantities is posted	
An unposted route card is posted. Hours and quantities are blank	

Based on the settings in the Picking list journal area, what will happen when the production order is started?

	▼
A picking list is posted with consumption quantities entered and end selected	
An unposted picking list is created with consumption quantities filled in for all lines and end selected	
An unposted picking list is created with consumption quantities blank and end selected	

Correct Answer:

Answer Area

Based on the settings in Route Card Journal area, what will happen when the production order is started?

	▼
A route card that includes only hours is posted	
A route card that only includes hours and good quantities is posted	
An unposted route card is posted. Hours and quantities are blank	

Based on the settings in the Picking list journal area, what will happen when the production order is started?

	▼
A picking list is posted with consumption quantities entered and end selected	
An unposted picking list is created with consumption quantities filled in for all lines and end selected	
An unposted picking list is created with consumption quantities blank and end selected	

Section: Create, process, and manage production batch orders Explanation

Explanation/Reference:

Explanation:

QUESTION 56

A customer produces light projection toys for holiday decorations throughout the year. The production process creates the projections toy at the following work cells stands, main assembly, electric, visuals, and packaging.

Vendors must create visual templates for the company for each season. They must manage the transfer of visual templates to the warehouse. Each transfer for each vendor must use the same purchase agreement.

You need to configure the subcontracted transfer activity.

What should you do?

- A. Set the transfer Freight by value to **Carrier**. Ensure that purchase agreements include the vendor ID of the vendor.
- B. Set the transfer Freight by value to **Shipper**. Ensure that purchase agreements include the vendor ID of the vendor.
- C. Set the transfer activity Freight by value to **Recipient**. Ensure that purchase agreements include the vendor ID of the warehouse.
- D. Set the transfer activity Freight by value to **Carrier**. Ensure that purchase agreements include the vendor ID of the warehouse.

- E. Set the transfer activity Freight by value to **Shipper**. Ensure that purchase agreements include the vendor ID of the warehouse.
- F. Set the transfer activity Freight by value to **Recipient**. Ensure that purchase agreements include the vendor ID of the vendor.

Correct Answer: C

Section: Create, process, and manage production batch orders Explanation

Explanation/Reference:

References: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/activity-based-subcontracting#subcontracted-transfer-activities>

QUESTION 57

A manufacturer uses discreet orders and manually consumes **raw** material after reporting products as finished.

You are performing an end-of-month closing for remaining picking lists on production orders. You must not be required to consume the full amount of material on production order picking lists as a result of improved production efficiency. When the production manager verifies that no material is left to consume, there are remaining back-ordered amounts.

You need to pick the line item short and eliminate the remaining demand.

What should you do?

- A. Delete the item from the Bill of materials for the finished good.
- B. Enter the consumption amount on the line to match the actual amount used, and delete the remaining amount.
- C. Enter the consumption amount on the line to match the actual amount used and select **end** on the production order picking list.
- D. Change the Coverage group on item option to **manual**.

Correct Answer: C

Section: Create, process, and manage production batch orders Explanation

Explanation/Reference:

