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Exam Code: MB-335

Exam Name: Microsoft Dynamics 365 Supply Chain Management Functional Consultant Expert

Case Study 02 - Fabrikam Inc

Background

Fabrikam Inc. is a manufacturer of sanitation cleaning solutions and equipment including carpet/floor cleaners, pressure washers, scrubbers and vacuums.

Fabrikam Inc. is a single legal entity based in New York city.

_ Current environment

Products manufactured

- Cleaning equipment

- o floor cleaner

- o pressure washers

- o scrubbers

- o vacuums

- Liquid cleaning solutions

- o No scent

- o Orange scent (subcontracted to a vendor named VendorA)

- o Pine scent (subcontracted to a vendor named VendorA)

The production quantity for the finished unscented liquid cleaning solution is 40-liters. IngredientC 'or unscented liquid cleaning solution Is stored in inventory in 50-liter barrels and allocated in 50-liter increments. Two barrels of IngredientC are uses to produce a barrel of unscented liquid cleaning solution.

Production sites

- The Eastern United States facility manufactures equipment.
- The Western United States facility manufactures liquid cleaning solutions.
- Raw materials and finished products are stocked at the warehouse and distributed from the warehouse.

Warehouse facilities

The warehouse consists of the following zones:

Zone	Description
1	This zone stores parts and material for manufacturing machine equipment and finished products. It consists of four aisles, five shelves, and 20 bins.
2	This zone stores barrels of liquid raw material and finished products. It consists of five aisles and 20 shelves.

_ Requirements

Cleaning equipment manufacturing

You identify the following require merits for manufacturing cleaning equipment:

- Production is Make to Stock and must be scheduled at an operational level.
- Machine equipment is produced on an assembly line. Scheduling must be based on production orders.
- Finished products must be packaged and shipped directly from the warehouse.
- To reduce delivery times and excess inventory, equipment must be produced as needed.
- The ability to schedule production must be based on resource capacity and the availability of required materials.
- Production order operations must be scheduled to start only when capacity and materials are available at the same time and in the required quantities.

Liquid cleaning solution manufacturing

- Production is Make to Order and is scheduled at the job level. Products must be manufactured in batches.
- Finished products must be packaged and shipped directly from the warehouse.
- You must be able to calculate the estimated consumption of ingredients and ensure that the amount is divisible by the number of units the raw material is available.
- Formula changes must be reviewed and approved. You must ensure that approved formulas cannot be deleted or edited. Approved formulas may be deactivated.
- An ingredient used to manufacture unscented cleaning solution is defined as a restricted product.

You must be able to automatically print a product safety data sheet (PSDS) with the packing slip for any order that includes unscented cleaning solution.

- Production must be scheduled to start by date and time according to the order that is specified by the production route.
- You must implement a scheduled Kanban rule that meets the following requirements:
 - o Prevent overloading a work cell for scheduled Kanbans.
 - o Visualize excess inventory in a supermarket.
 - o Store products in supermarkets before they are consumed or shipped.
- You must link relevant financial dimension data to the inventory transactions at each site to ensure that you can trace profit and loss figures directly to East site and West site respectively.
- You must set up production operations for sub-contracting of Pine scent and Orange scent solution to VendorA to ensure that a purchase order is automatically created based on estimation of a production order.

Costing

- The price of raw materials used for manufacturing unscented cleaning solution must be tracked based upon commodity exchange pricing. The margin and cost multiplier must be set up for commodity traded raw material.
- 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.
- The production manager needs to set up picking list journals and BOM item consumption.

Reporting

- Production control parameters must be setup for reporting of automatic BOM and Route consumption.
- You must create reports that include information about cost records and categories for items, and calculation formulas for indirect costs.
- You must treat manufactured items as purchased items for cost roll-up purposes during BOM calculations and reporting.
- You must configure automatic route consumption in connection with the automatic running of Report as finished.

Inventory control

You must not be required to track the tot number for items when you enter inventory information into the system. Lot numbers for items must be entered when items are picked from inventory.

Issues

Users report the following issues:

- The production manager observes that items are being deducted from inventory two times on production jobs. A shop supervisor mistakenly registers the process for assembling batteries for the pressure washers to Registered as prepared. You must reschedule the process for a future date.
- Customer1 orders 20 barrels of unscented solution. The order is confirmed. Production must be scheduled to start on December 21 to meet the customer's delivery deadline.
- User2 reports that costs for manufactured items are twice as high as expected.
- UserD 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.

QUESTION 1

You need to configure costing for raw materials used to manufacture unscented cleaning solution.

Which form should you use?

- A. Cost basis type
- B. Quantity and margin template
- C. Pricing calculation
- D. Pricing template

Correct Answer: B

Section:

Explanation:

<https://docs.microsoft.com/en-us/dynamicsax-2012//quantity-and-margin-template-form?redirectedfrom=MSDN>

QUESTION 2

You need to configure production control parameters for liquid cleaning solution manufacturing.

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. Require an electronic signature when the formula is approved.
- B. Select Block editing and approve the formula.
- C. Select the Block removal of approval option for the formula
- D. Select the Block editing option only. D18912E1457D5D1DDC BD40AB3BF70D5D

Correct Answer: B, C

Section:

Explanation:

<https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/formulas-versions>

QUESTION 3

HOTSPOT

You need to resolve the production manager issue.

How should you configure manufacturing execution? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

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Hot Area:

Automatic BOM consumption stage	Field
Start	<div> <div></div> <div>Flushing principle</div> <div>Never</div> <div>Status</div> </div>
Operation	<div> <div></div> <div>Always</div> <div>Flushing principle</div> <div>Status + quantity</div> </div>
Report as Finished	<div> <div></div> <div>Status + quantity</div> <div>Always</div> <div>Never</div> </div>

Answer Area:

Automatic BOM consumption stage	Field
Start	<div> <div></div> <div>Flushing principle</div> <div>Never</div> <div>Status</div> </div>
Operation	<div> <div></div> <div>Always</div> <div>Flushing principle</div> <div>Status + quantity</div> </div>
Report as Finished	<div> <div></div> <div>Status + quantity</div> <div>Always</div> <div>Never</div> </div>

Section:

Explanation:

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/about-production-parameters-in-manufacturing-execution>

QUESTION 4

HOTSPOT

You need to resolve the shop supervisor's issue.
Which options should you use? To answer, select the appropriate option in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Step	Action
Step 1	<div><div></div><div>Cancel the planning job.</div><div>Set the job status to in progress.</div><div>Set the job status to not planned.</div><div>Issue a new Kanban card.</div></div>
Step 2	<div><div></div><div>Modify the time fence.</div><div>Rerun the master plan.</div><div>Enable auto-firming.</div></div>

Answer Area:

Step	Action
Step 1	<div><div></div><div>Cancel the planning job.</div><div>Set the job status to in progress.</div><div>Set the job status to not planned.</div><div>Issue a new Kanban card.</div></div>
Step 2	<div><div></div><div>Modify the time fence.</div><div>Rerun the master plan.</div><div>Enable auto-firming.</div></div>

Section:
Explanation:

QUESTION 5
HOTSPOT

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You need to calculate estimated consumption of ingredients for liquid cleaning solution.
What is the consumption? To answer, select the appropriate option in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Consumption factor	Consumption in liters
Estimated consumption	<div><div></div><div>40 liters</div><div>50 liters</div><div>80 liters</div><div>100 liters</div></div>
Round up to a multiple	<div><div></div><div>20 liters</div><div>40 liters</div><div>50 liters</div><div>100 liters</div></div>
Excess consumption	<div><div></div><div>10 liters</div><div>20 liters</div><div>40 liters</div><div>50 liters</div></div>

Answer Area:

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Consumption factor	Consumption in liters
Estimated consumption	<div>▼</div> <div>40 liters</div> <div>50 liters</div> <div>80 liters</div> <div>100 liters</div>
Round up to a multiple	<div>▼</div> <div>20 liters</div> <div>40 liters</div> <div>50 liters</div> <div>100 liters</div>
Excess consumption	<div>▼</div> <div>10 liters</div> <div>20 liters</div> <div>40 liters</div> <div>50 liters</div>

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Section:

Explanation:

QUESTION 6

You need to configure production operations for the pine and orange scent solutions.

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

NOTE: Each correct selection is worth one point.

- A. Configure the inventory policy for the item model group to set the value of the Stocked product option to Yes.
- B. Use a purchase agreement as a service agreement.
- C. Allocate subcontracted work in its own cost breakdown block.
- D. Configure a costing resource and requirement to point to a Vendor type resource.
- E. Configure the BOM line to be of type Vendor and associate the corresponding vendor account.

Correct Answer: C, D, E

Section:

Explanation:

QUESTION 7

You need to configure lot number control for inventory. Which option should you use?

- A. Physical inventory
- B. Blank receipt allowed
- C. Blank issue allowed
- D. Primary stocking

Correct Answer: A
Section:
Explanation:

QUESTION 8

You need to configure the system to meet the order requirements for unscented cleaning solution. Which three actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

- A. Configure the ingredient as a restricted and regulated product.
- B. On the inventory management parameters, set the value for the Print Product Safety Data Sheet and Prevent Sales Pack Slip/Invoke Posting to TRUE
- C. Add the ingredients for unscented cleaning solution to a regulated products inclusion list
- D. Ensure that the PSDS file is active and within the expiration date requirements.
- E. In Document Handling, associate the PSDS file with the PSDS record and set restriction field set to Internal

Correct Answer: A, B, C
Section:
Explanation:

QUESTION 9

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 once, more than once, or not at all. You may need to drag the spirt bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Select and Place:

Rules

Enforce time-fencing.
Maximum planned jobs.
Add a production flow version.
Add a BOM version.
Alert boundary maximum.
Add a Kanban calculation policy.

Answer Area

	Requirement	Rule
• • • •	Prevent overloading a work cell for scheduled Kanbans.	<input type="text"/>
	Visualize excess inventory in supermarket.	<input type="text"/>

Correct Answer:

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

Section:
Explanation:

QUESTION 10

You need to plan scheduling for Customer1's order of unscented solution.
What are two possible ways to achieve the goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. Schedule production based on the availability of raw material.
- B. Split and plan operations in detail for each of the resources.
- C. Schedule productions based on the capacity of the resources.
- D. Run master planning with a specific time fence.
- E. Plan scheduling of the production at the resource group level.

Correct Answer: A, C

Section:
Explanation:

Case Study 03 - Adventure Works Cycles

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other question on this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question on this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements.

If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the

Question button to return to the question.

Background

Adventure Works Cycles is a high-end bicycle manufacturer in North America. Their standard model bicycles are available year-round. Limited-edition bicycle models are released several times a year to boutique retailers domestically.

Adventure Works has had the most success with their limited-edition bicycles. These bicycles have high margins, are in high demand, and have a strong following with the younger generation biking community.

Current environment

General

Adventure Works expects to triple their manufacturing capabilities in the next few years due to increasing demand. The company plans to invest in Dynamics 365 Finance, Dynamics 365 Supply Chain Management, and the Power Platform products to migrate from a custom-built enterprise resource planning (ERP) solution and Microsoft Excel worksheets.

Adventure Works sells only to the United States and Canada. Despite their limited market, they cannot keep up with current demand. Over time, they want to expand their market to remain profitable.

Adventure Works has no capabilities or budget to undertake any development beyond Excel formlevel tasks.

Bicycle manufacturing

Bicycle models are measured and reported against how well a single model performs as a sum of all the variations of that model. For example, the Street Kid YOLO model sold 25,000 units in 2019 across all variations of the product, but the Purple Female frame made up 30 percent of that model's sales.

The Street Kid YOLO models sell in different volumes depending on the market.

The creation of production orders for bicycles occurs monthly and is based on historical sales.

Each part of a bicycle's assembly occurs at a different station in the Adventure Works production facility.

A piece of paper that has eight sections accompanies a bicycle throughout the manufacturing process. As each step is completed, the respective section is completed and signed off by a production worker.

The completed paper is used in the put-away process by the warehouse workers.

Financials

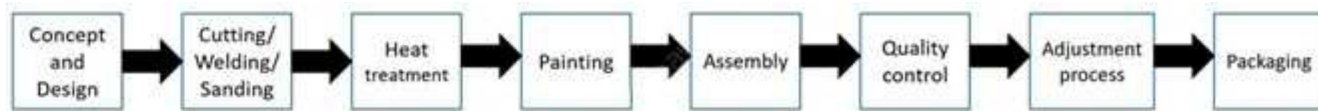
The standard model and limited-edition bicycle teams are separate operating units within the manufacturing division. Financials are tracked and reported separately even though they are produced and sold in the same sales channels.

Updates to the standard model bicycle models are created when a part for a bicycle becomes unavailable. This can change the cost of the product.

An updated model of a bicycle with new parts will be maintained as a new item and have a new price. However, it will look like the exact same product to retailers and distributors.

Manufacturing process

The bicycle manufacturing process is shown in the following graphic:



Limited-edition bicycle process

The limited-edition bicycles are made up of an Adventure Works custom frame with all other parts created by local artists and manufacturers.

Each bicycle has a unique set of new items that make up the bill of materials (BOM) because all parts are created to specification.

A single pilot limited-edition bicycle is created as a proof of concept.

Adventure Works occasionally reuses components from existing bicycles, but most limited-edition bicycles are made of handcrafted components designed to specifications.

Each limited-edition bicycle is built, and hand signed by a single Adventure Works artisan.

Sales price must be auto calculated after the cost price is derived.

Before creating the proof of concept limited-edition bicycle, the approximate sales price needs to be determined through a cost-plus 20 percent calculation.

All items except for the frame in the prototype process are considered finished items and can be sold individually.

The frame items require modifications in accordance with the manufacturing process as well as painting.

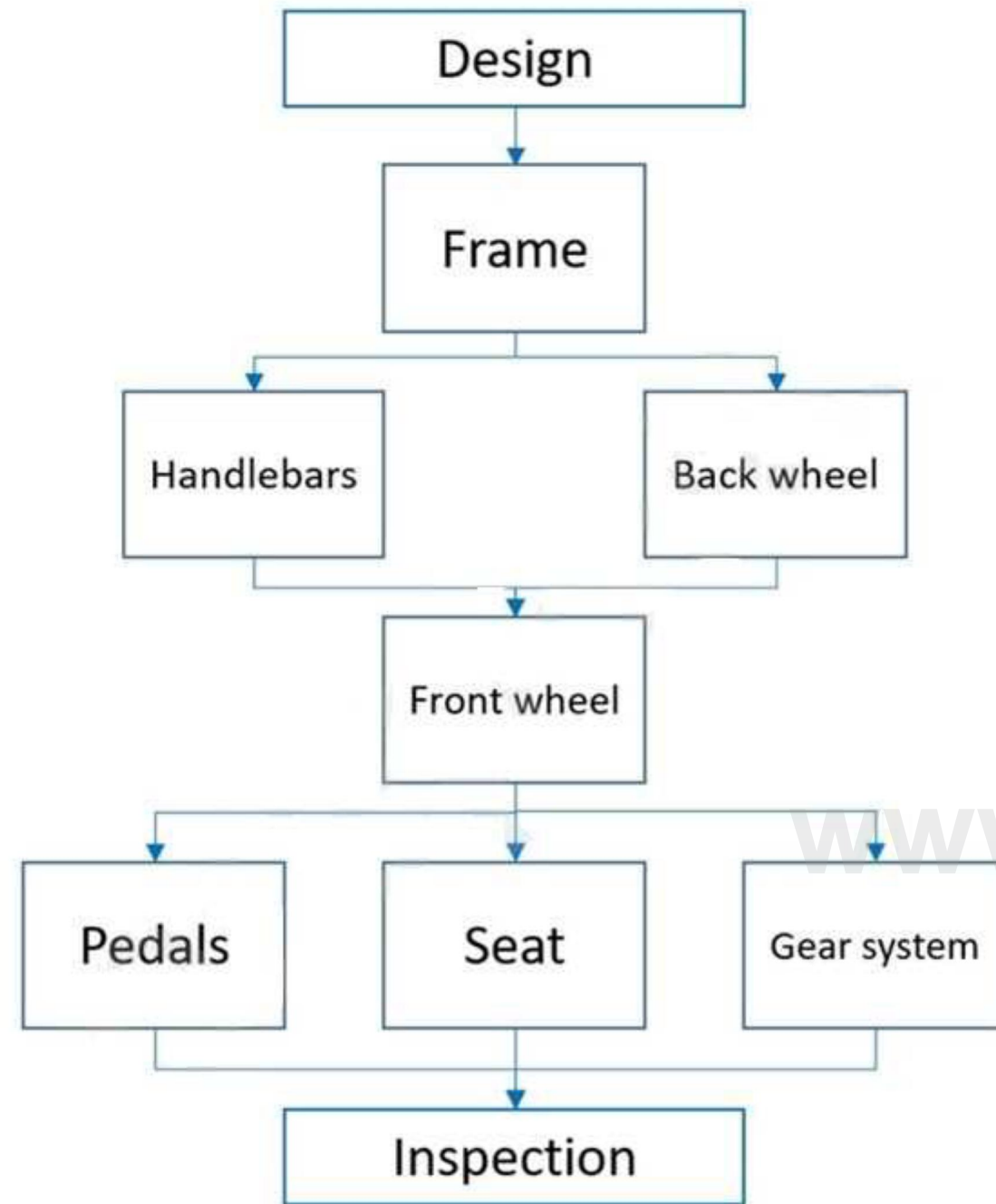
Each Adventure Works limited-edition bicycle artisan is scheduled to create a specific number of bicycles in a production run that must be completed by a certain date.

Limited-edition bicycle artisans work exclusively on a given run of limited-edition bicycles and are not able to work on other tasks.

Limited-edition bicycle BOM assembly process

The prototype process for the limited-edition bicycles is shown in the following graphic:

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Requirements

General

Adventure Works will consist of three legal entities: the primary legal entity of the United States (AWUS), sales in Canada (AWCA), and an international expansion (AWIN).

AWIN must be able to sell only standard model bicycles.

AWUS and AWCA must be able to sell both standard model and limited-edition bicycles.

Warehouse workers must use the Warehouse Management mobile application to manage all inventory inbound and outbound from the warehouse.

Bicycle manufacturing

The handlebars, back wheels, and front wheels must not change for any of the bicycle model configurations.

Standard model bicycle production scheduling must be configured to start as soon as possible.

Bicycle components must be automatically reserved when the item is released to the production floor.

Standard model bicycle production must be automatically created on a predefined schedule.

As soon as bicycles are completed, they must be available to fulfill the backlog of orders.

Limited-edition bicycle production must be configured to meet the end date for when the bicycles must be completed.

Production orders need to track financials by standard model or limited-edition bicycle manufacturing teams.

The system must log the immediate consumption of BOMs for traceability.

All inventory is warehouse enabled.

Finished goods are reported as finished by the warehouse worker who picks up the finished product from the packaging area.

Finished products must automatically have put-away work completed for them.

New limited-edition bicycle process

Adventure Works is creating a new, limited-edition bicycle to commemorate the company's tenth anniversary. The limited-edition bicycle will be designed for charity events and be produced for the summer season.

The bicycle must be available in men's, women's, and unisex frame styles. It will be painted in one of 50 hand-painted designs representing the charity of the customer's choosing.

A limited run of 100 bicycles must be created.

The limited-edition bicycles must use the same production process as the standard model bicycles.

The limited-edition bicycles must use the same parts used for previous limited-edition bicycles, except for the unique paint colors.

Frames must be painted in-house.

Five painting options are available only in the unisex frame style.

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.

QUESTION 1

DRAG DROP

You need to create the new summer limited edition bicycle in Dynamics 365 in preparation for taking orders.

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.

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

Select and Place:

Actions

Create a product for all the bicycles

Release the product to the three legal entities

Release the product to the two legal entities

Release the product variants to the selected legal entities

Create a product for each bicycle combination

Create the BOM

Define the configuration routes and rules



Answer Area

Correct Answer:

Actions

Answer Area

Release the product to the three legal entities
Release the product variants to the selected legal entities
Create a product for each bicycle combination



Create a product for all the bicycles
Release the product to the two legal entities
Create the BOM
Define the configuration routes and rules

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Section:

Explanation:

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

QUESTION 2

You need to create the production orders for standard model bicycles.

Which method should you use?

- A. Sales order line
- B. Master planning execution
- C. Supply schedule form
- D. Released item
- E. All production orders form

Correct Answer: C

Section:

Explanation:

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

QUESTION 3

You need to configure the bicycles' production resource.

Which option should you use?

- A. Exclusive capacity set to yes and enter a Batch capacity.
- B. Exclusive capacity set to no and infinite capacity.
- C. Exclusive capacity set to yes and infinite capacity.
- D. Exclusive capacity set to no and enter a Batch capacity.

Correct Answer: C

Section:

Explanation:

<https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/operations-resources>

QUESTION 4

You need to determine the sales price for a new limited-edition bicycle for the summer season.

What should you do?

- A. Run inventory close for the BOM items for the limited-edition bicycle.
- B. Create the production order for the limited-edition bicycle and click estimate.
- C. Run the category price rules for the limited-edition bicycle using a cost-plus calculation.
- D. Run the pricing simulator for the limited-edition bicycle for a quantity of one.

Correct Answer: B

Section:

Explanation:

Fabrikam, Inc. Is a discrete manufacturer of outdoor patio furniture. The company originated as a sole owner working from a home garage, then moved into a commercial storage space, and later into a full manufacturing facility. The company operates as two operating legal entities, one in the United States and the other in Mexico.

As the company grew, the existing software systems failed to grow with it. This meant that financial reporting was managed in an outdated accounting system; raw materials planning, production, and inventory control were managed in another system; and cost calculations were tracked in multiple spreadsheets managed by analysts.

Exam C

QUESTION 1

DRAG DROP

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.

Assign the Frames and Wheels configuration..

Create a new Bill of materials version..

Add the Frames and Wheels configuration groups to the configuration route

Configure the two bicycle configurations

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

Select and Place:

Actions

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.

Answer Area

Correct Answer:

Actions

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

Answer Area

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.

Section:

Explanation:

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

QUESTION 2

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

Correct Answer: A, D

Section:

Explanation:

A catch weight item is an item that is sold by one unit of measure but is managed in inventory by a different unit of measure¹. For example, diamonds are sold by boxes but weighed by carats. A full visibility catch weight item is a catch weight item that requires the weight of each individual container to be tracked². For example, each box of diamonds must have its own weight recorded.

To set up a catch weight item for diamonds, you must do the following steps²:

Assign the item a Tracking dimension group with active serial number control. This enables the item to be tracked by serial numbers, which represent the individual containers of the item. Each serial number will have its own weight associated with it.

Assign the item a Serial number group with per qty. defined as 1. This ensures that each container of the item has a unique serial number and that only one container can be assigned to a serial number.

Create an inter-class unit of measure conversion between boxes and carats. This defines the relationship between the sales unit and the inventory unit of the item. The conversion factor can be based on a nominal weight or an average weight of the containers.

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

Correct Answer: B

Section:

Explanation:

A cost category is a classification of costs that are related to an operations resource or a routing operation¹. A cost category can have one or more cost elements, such as labor, machine, subcontractor, or material¹. A cost element represents a specific type of cost that is incurred for an operations resource or a routing operation².

To update the effective labor costs for all labor groups, you must update the cost category that is assigned to the labor groups. You can use the Cost categories page to modify the cost elements and rates for the cost category³. You can also use the Costing versions page to create a new costing version with updated cost categories and activate it for future production orders.

QUESTION 4

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

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Hot 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	

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:
Explanation:

QUESTION 5
HOTSPOT

A bicycle manufacturing company is implementing Dynamics 365 Supply Chain Management. The warehouse must pick and stage parts other than paint for bicycle assembly. Paint is at the production station. You need to configure the reservations for production. What should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Configuration
Define configuration for paint reservation.	Picking journal
Define the reservation principle for paint.	Release

Answer Area:

Answer Area

Requirement	Configuration
Define configuration for paint reservation.	Picking journal
Define the reservation principle for paint.	Start

Section:

Explanation:

QUESTION 6

A manufacturer is implementing Dynamics 365 Supply Chain Management with warehouse management processes (WMS).

Warehouse workers use hand-held devices to pick and stage batch-tracked products for production. The warehouse manager requires that products are removed from on-hand inventory and consumed when they are picked and staged for production.

You need to remove the products from on-hand inventory.

What should you configure?

- A. mobile device menu item, start production order
- B. flushing principle, available at location
- C. flushing principle, start
- D. manufacturing execution, job card device

Correct Answer: C

Section:

Explanation:

The flushing principle is a setting that determines how and when the raw materials are consumed from inventory and registered as work in progress (WIP) for production orders and batch orders¹. The flushing principle can be configured at the product level, the bill of materials (BOM) or formula line level, or the production order or batch order line level¹.

The Start flushing principle indicates that the material will be automatically consumed when the production order is started¹. The amount of material that is consumed is proportional to the quantity that is started. This principle is relevant if, for example, the variance in the consumption is low, the materials are low-value materials, there are no tracking requirements, or there's a short run time on operations¹.

In this scenario, the warehouse manager requires that products are removed from on-hand inventory and consumed when they are picked and staged for production. Therefore, the Start flushing principle should be configured for the batch-tracked products. This way, the products will be deducted from inventory and set to WIP as soon as the production order is started on the hand-held device.

QUESTION 7

DRAG DROP

A manufacturer is implementing Dynamics 365 Supply Chain Management to create blends of oil and industrial lubricant.

E. Add a profit setting percentage to a cost group.

Correct Answer: C

Section:

Explanation:

To view the manufacturer's suggested retail price (MSRP) for a new bill of materials (BOM) item, you need to configure a calculation group with a profit setting percentage. A calculation group is a group of settings that determine how the cost and sales price of a BOM item are calculated¹. A profit setting percentage is a percentage that is added to the cost of a BOM item to calculate the sales price². You can specify a profit setting percentage for each calculation group on the Calculation groups page³.

When you calculate the cost and sales price of a BOM item, you must select a calculation group on the Calculations page. The calculation group determines the cost model and sales price model that are used for the BOM calculation. The cost model defines how the cost of the BOM item is calculated based on the cost categories and cost groups of the components and operations. The sales price model defines how the sales price of the BOM item is calculated based on the profit setting percentage and the cost model.

By using a calculation group with a profit setting percentage, you can view the MSRP for a new BOM item when you calculate its cost and sales price. The MSRP will be shown as the calculated sales price on the Calculate item cost page. You can also view the calculation details and see how the profit setting percentage is applied to the cost of the BOM item.

The other options are not correct, because they do not allow you to view the MSRP for a new BOM item when you calculate its cost. Setting the sales price model field on the calculation group to item sales price would use the existing sales price of the BOM item from the Item price page, instead of calculating a new sales price based on a profit setting percentage. Using the category price rules to generate a trade agreement with the sales price would create a trade agreement line for the BOM item based on its category, but it would not show the MSRP when you calculate its cost. Adding a profit setting percentage to the released BOM product or to a cost group would have no effect, because these entities do not affect how the sales price of a BOM item is calculated.

1: Calculation groups

2: Profit settings

3: Create or modify calculation groups: [BOM calculations] : [Cost models and sales price models] : [Calculate costs and prices for manufactured items] : [Category pricing rules]

QUESTION 9

DRAG DROP

A company overstates on-hand raw materials due to the time it takes to post raw materials as consumed when production orders are processed.

All items used to manufacture finished goods must be consumed when a finished good is reported as finished. You must not change all bill of materials lines to use the option of flushing principal.

You need to ensure that all production orders consume raw materials at Report as finished.

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.

In the Production order status section of Production control, select Start

In the Picking list journal, select Always in the Automatic BOM consumption

In the Production order status section of Production control, select Report as finished

Select Make default for all users

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

Select and Place:

Actions

In the Production order status section of Production control, select **Report as finished**.

In the Production order status section of Production control, select **Start**.

On the Bill of materials section of Inventory management, select **Report as finished**.

Select **Make default for all users**.

In the Picking list journal, select **Always in the Automatic BOM** consumption.

Select default values in the ribbon.

Answer Area

Correct Answer:

Actions

On the Bill of materials section of Inventory management, select **Report as finished**.

Select default values in the ribbon.

Answer Area

In the Production order status section of Production control, select **Start**.

In the Picking list journal, select **Always in the Automatic BOM** consumption.

In the Production order status section of Production control, select **Report as finished**.

Select **Make default for all users**.

Section:

Explanation:

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

QUESTION 10

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 the solution.

NOTE: Each correct selection is worth one point.

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

Correct Answer: B, E
Section:
Explanation:

Queue time is the time that a job waits at a work center before or after the job is processed1. You can use queue time to account for paint drying time before assembly operations can begin.You can specify queue time in minutes, hours, or days on the route operations that are attached to the production order2.

To set up the operation to encompass queue times, you should do the following:

Enter a value in thequeue time afterfield for the painting operation.This value indicates how long the painted bicycle frames must wait at the painting work center before they can be moved to the next operation2. For example, if the paint drying time is 24 hours, you can enter 24 in the queue time after field and select Hours as the unit.

Enter a value in thequeue time beforefield for the assembly operation.This value indicates how long the painted bicycle frames must wait at the assembly work center before they can be processed2. For example, if there is a delay between the arrival of the frames and the start of the assembly, you can enter a value that reflects this delay in the queue time before field and select the appropriate unit.

The other options are not correct, because they do not involve queue times. Building capabilities for each resource related to color would allow you to assign resources based on their color proficiency, but it would not account for paint drying time. Entering a value in the transit time on the painting operation would indicate how long it takes to move the painted bicycle frames from one work center to another, but it would not include the waiting time before or after the movement. Making a resource group for each size and color and assigning that group to the operation would allow you to group resources that have similar characteristics and can be used interchangeably in production, but it would not affect the queue times.

1:Queue times2:Set up operations scheduling

QUESTION 11
DRAG DROP

A company plans to account for indirect costs related to materials used to manufacture products. The items used to manufacture products have surcharge rates that depend on the type of product being used. You need to set up the costing sheet to include surcharges for specific items. 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 cost groups for indirect and direct costs.

Assign a surcharge node to items.

Assign a cost group to the items.

Create a node-type surcharge under the indirect cost group and enter the absorption basis and surcharge.

Assign the cost group for the indirect cost to the route operation.

Answer Area

Correct Answer:

Actions

Assign a surcharge node to items.

Assign the cost group for the indirect cost to the route operation.



Answer Area

Create cost groups for indirect and direct costs.
 Create a node-type surcharge under the indirect cost group and enter the absorption basis and surcharge.
 Assign a cost group to the items.



Section:

Explanation:

QUESTION 12

DRAG DROP

A manufacturing company is implementing Dynamics 365 Supply Chain Management.

Bill of materials (BOMs) must be calculated using standard cost principles.

Miscellaneous charges must be included in the unit cost price. The explosion mode must always be enforced as single level.

You need to configure the system to meet the requirements.

Which configuration should you enable for each requirement? To answer, drag the appropriate configurations to the correct 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:

Configurations

Cost categories

Fallback principle

Calculation restriction

Recording restriction

Answer Area



Requirement	Configuration
Include miscellaneous charges.	
Enforce the single-level explosion mode.	

Correct Answer:

Configurations	Answer Area	Requirement	Configuration
Cost categories		Include miscellaneous charges.	Recording restriction
Fallback principle		Enforce the single-level explosion mode.	Calculation restriction
Calculation restriction			
Recording restriction			

Section:

Explanation:

QUESTION 13

A company produces pipe at certain fixed lengths.

The company must be able to schedule cutting machines. You set up the cutting machines as resources. All cutting resources can produce many of the products. There are some products that require cutting machines that can produce longer lengths of product. Only some of the machines can do this.

You need to configure the resources to account for these different products.

What should you do?

- A. Build capability related to length and assign to the appropriate resources.
- B. Configure the Data/Hour option on the Capacity unit field on the resource.
- C. Create a resource for each length.
- D. Create a resource group for each length.

Correct Answer: A

Section:

Explanation:

QUESTION 14

HOTSPOT

A manufacturer uses Dynamics 365 Supply Chain Management to create bicycle parts as a configure-to-order configuration. All bicycle parts are sourced from external sources and assembled in the manufacturing facility.

The manufacturer plans to expand its capabilities to create custom bicycles parts in an engineer-to-order model. All bicycle parts will be created in the manufacturing facility. The custom bicycle parts must be omitted from any master planning process.

You need to describe the concepts for the requirements.

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

NOTE: Each correct selection is worth one point.

Hot Area:

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Answer Area

Requirement	Concept
Redesign the manufacturing facility for the new facility capabilities.	<div>Lean</div> <div>Unified</div> <div>Process</div> <div>Lean</div> <div>Discrete</div>
Configure for the engineer-to-order items.	<div>Supply policies</div> <div>Supply policies</div> <div>Supply schedule</div> <div>Planning optimization</div> <div>Priority-based planning</div>

Answer Area:

Answer Area

Requirement	Concept
Redesign the manufacturing facility for the new facility capabilities.	<div>Lean</div> <div>Unified</div> <div>Process</div> <div>Lean</div> <div>Discrete</div>
Configure for the engineer-to-order items.	<div>Supply policies</div> <div>Supply policies</div> <div>Supply schedule</div> <div>Planning optimization</div> <div>Priority-based planning</div>

Section:

Explanation:

QUESTION 15

You are using the manufacturing execution module in Dynamics 365 Supply Chain Management. License plate labels must be printed for products in the Report as finished step. You need to use the manufacturing execution functionality that meets this requirement. What should you use?

- A. License plates
- B. Job card device
- C. Operations schedules
- D. Production waves

Correct Answer: A

Section:

Explanation:

The manufacturing execution functionality that meets the requirement of printing license plate labels for products in the Report as finished step is License plates. Here is the explanation:

License plates are unique identifiers that are assigned to containers, pallets, or individual items in inventory. License plates can be used to track and manage inventory throughout the warehouse processes, such as receiving, put away, picking, packing, and shipping¹. License plates can also be used in production processes, such as reporting as finished and raw material picking².

To print license plate labels for products in the Report as finished step, you must enable the Generate license plate option on the mobile device menu item that is used for reporting as finished². You must also set up a document routing layout and a document routing for license plate labels³. When you use the mobile device to report a production order as finished, the system will generate a license plate for the finished product and print a license plate label to the specified printer². The license plate label can include information such as the item number, batch number, quantity, and barcode of the finished product³.

1: License plates 2: Enable license plate label printing 3: Document routing label layouts

QUESTION 16

DRAG DROP

A discrete manufacturer uses the time and attendance registration for production operations.

All employees register daily clock in and clock out times during a 40-hour. Monday through Friday workweek.

Pay periods are every two weeks. Workers are paid hourly.

The production manager will create work schedules with the following windows:

- * Mandatory work hours
- * Work hours during which employees can leave early without accruing absences
- * Work hours during which employees can work extra time

If a junior production worker works over 90 hours in a pay period. the worker will receive lime and a half over 80 hours. If a senior production worker works over 90 hours in a pay period, the worker will receive double time over 80 hours.

You need to configure the system for these requirements.

Where should you configure this functionality? To answer, drag the appropriate forms to the correct requirements. Each form 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:

Forms		Requirement	Form
Workers		Configure the overtime calculations.	
Flex groups		Configure the periods of time that a worker can choose whether to work.	
Worker groups			
Calendar working times			

Correct Answer:

Forms		Requirement	Form
Workers		Configure the overtime calculations.	Workers
Flex groups		Configure the periods of time that a worker can choose whether to work.	Flex groups
Worker groups			
Calendar working times			

Section:

Explanation:

QUESTION 17

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 question sets might have more than one correct solution, 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 processes. 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:

- * Create a vendor warehouse for the subcontracting vendor.
- * Create a vendor resource and add it to a new work cell for outsource painting.
- * Create a production flow transfer activity and specify the vendor warehouse as The target warehouse.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section:

Explanation:

The solution does not meet the goal. Here is the explanation:

To create a subcontracting activity for the painting service, you should use the following steps¹:

Create a vendor warehouse for the subcontracting vendor. This step is correct, because you need to create a warehouse that is assigned to the vendor account and set it as vendor-managed¹. This way, you can track the inventory that is located at the vendor's site.

Create a vendor resource and add it to a new work cell for outsource painting. This step is correct, because you need to create a resource that is assigned to the vendor account and add it to a resource group that represents the subcontracting work cell¹. This way, you can assign the subcontracting activity to the vendor resource.

Create a production flow transfer activity and specify the vendor warehouse as the target warehouse. This step is incorrect, because you need to create a production flow process activity, not a transfer activity, for the subcontracting service¹. A process activity represents an operation that transforms material into products or semi-finished goods². A transfer activity represents a movement of material or products from one location to another². You also need to specify the service item (SP 01) as the product of the process activity, and select the Generate license plate option on the mobile device menu item that is used for reporting as finished¹.

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