



MB-320^{Q&As}

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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QUESTION 1

A Discrete manufacturing company produces speakers. The high-end speaker model uses protective rubber strips on the edges.

Approximately five inches of rubber is consistently scrapped in the production process, regardless of production quantity. Workers manually consume the extra material on the picking list or scrap it in an inventory journal.

You need configure the system to automatically account for this scrap on the Bill of materials (BOM).

What should you do?

- A. Increase the required quantity of the rubber component by five on the BOM
- B. Set a variable scrap of five percent for the rubber BOM line
- C. Add an additional BOM line for five inches and set consumption to Variable
- D. Set a Constant scrap of five on the BOM line for rubber

Correct Answer: D

References:

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/about-information-used-in-bom-calculations-with-standard-costs>

QUESTION 2

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	



QUESTION 3

A company produces and distributes seafood to supermarkets. During the manufacturing process, raw seafood is purchased, cleaned, and packaged into various-sized boxes. Each box may have a different weight.

Product is sold by the box and priced by the pound.

You need to ensure that you can perform transactions at the box level and record the net weight of goods shipped to a customer.

Solution: Set up a unit sequence group on the item for both pounds and boxes, then set a standard unit conversion for the product from box to pounds.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 4

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.

Case Study Title (Case Study):

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.

Current environment Products manufactured

Cleaning equipment

1.
 - floor cleaner
2.
 - pressure washers
3.
 - scrubbers
4.
 - vacuums

Liquid cleaning solutions

1.
 - No scent
2.
 - Orange scent (subcontracted to a vendor named VendorA)
3.
 - Pine scent (subcontracted to a vendor named VendorA)

The production quantity for the finished unscented liquid cleaning solution is 40-liters. IngredientC for unscented liquid cleaning solution is stored in inventory in 50-liter barrels and allocated in 50-liter increments. Two barrels of IngredientC are used 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



Zone	Description
1	This zone stores parts and materials 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.

The warehouse consists of the following zones:

RequirementsCleaning equipment manufacturing

You identify the following requirements for manufacturing cleaning equipment:

1.

Production is Make to Stock and must be scheduled at an operational level.

2.

Machine equipment is produced on an assembly line. Scheduling must be based on production orders.

3.

Finished products must be packaged and shipped directly from the warehouse.

4.

To reduce delivery times and excess inventory, equipment must be produced as needed.

5.

The ability to schedule production must be based on resource capacity and the availability of required material.

6.

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

1.

Production is Make to Order and is scheduled at the job level Products must be manufactured in batches.

2.

Finished products must be packaged and shipped directly from the warehouse.

3.

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.

4.



Formula changes must be reviewed and approved. You must ensure that approved formulas cannot be deleted or edited. Approved formulas may be deactivated.

5.

An ingredient used to manufacture unscented cleaning solution is defined as a restricted product.

6.

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.

7.

Production must be schedule 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:

1.

Prevent overloading a work cell for scheduled Kanbans.

2.

Visualize excess inventory in a supermarket.

3.

Store products in supermarkets before they are consumed or shipped.

4.

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.

5.

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 base on estimation of a production order.

Costing

1.

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.

2.

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.

3.

The production manager needs to set up picking list journals and BOM item consumption.

Reporting



1.

Production control parameters must be setup for reporting of automatic BOM and Route consumption.

2.

You must create reports that include information about cost records and categories for items, and calculation formulas for indirect costs.

3.

You must treat manufactured items as purchased items for cost roll-up purposes during BOM calculations and reporting.

4.

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 lot 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:

1.

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.

2.

Customer1 orders 20 barrels of unscented solution. The order is confirmed. Production must be scheduled to start on December 21 to meet the customers delivery deadline.

3.

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

4.

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.

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.

Correct Answer: BC



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

QUESTION 5

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:

Solutions

Lean
Process

Requirement

Co-products
Interchangeable items
Active ingredients
Kanban

Answer Area

Solution

Solution
Solution
Solution
Solution

Correct Answer:

Solutions

Lean
Process

Requirement

Co-products
Interchangeable items
Active ingredients
Kanban

Answer Area

Solution

Process
Process
Process
Lean



QUESTION 6

A manufacturer sends wiring harnesses to a vendor to be soldered to a connector. You have created the subcontracting process in the bill of materials (BOM) and route to account for the items sent to the vendor.

You create separate subcontracting purchase orders to account for the service. You attempt to add the service item to the BOM. The system generates an error.

You need to set up a new item model group for the service item.

Which three actions should you perform? 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:

Create a new item model group and clear the stocked product option.	
Add the service item and set the new inventory model group in the BOM to FIFO.	
Assign the item model group and select the stocked product option.	
Create a new item model group and select the stocked product option.	
Add the service item to the BOM.	

Correct Answer:

Create a new item model group and clear the stocked product option.	Create a new item model group and select the stocked product option.
Add the service item and set the new inventory model group in the BOM to FIFO.	Assign the item model group and select the stocked product option.
	Add the service item to the BOM.

QUESTION 7

You are the product manager at an orange juice manufacturing company.

For every 1,000 pounds of orange juice, 20 pounds of orange pulp is created which can be sold or reused profitably. The cost is calculated as a weighted average between the quantity of orange juice that is reported as finished and the



orange pulp based on the standard cost of each item.

You need to create the formula for orange juice that will produce orange pulp as a result of finishing a batch order.

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:

Select TCA as the co-product cost allocation.	
Set Total cost allocation on the header to true.	
Add a co-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.	
Add a by-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.	
Add a formula line for orange pulp and a quantity of 20 pounds per 1,000 pounds.	
Select Per quantity as the by-product cost allocation.	
Create a new formula and formula version for orange juice.	

Correct Answer:

Select TCA as the co-product cost allocation.	Create a new formula and formula version for orange juice.
	Set Total cost allocation on the header to true.
Add a co-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.	Add a by-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.
	Select Per quantity as the by-product cost allocation.
Add a formula line for orange pulp and a quantity of 20 pounds per 1,000 pounds.	

QUESTION 8



SIMULATION

You are a functional consultant for Contoso Entertainment System USA.

You need to configure the system to ensure that the production release to warehouse process either performed manually or via batch.

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

Correct Answer:

1.

Navigate to Production control > Setup > Production parameters.

2.

Configure the Production line release parameter to Release BOM and formula lines via a batch job or as a manual interaction.

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/releasing-bom-and-formula-lines-to-warehouse>

QUESTION 9

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

Correct Answer: A

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/report-finished-job-device>

QUESTION 10

A company produces generic and name-brand paper plates in the same factory using standard costing and using the same Bill of materials and routes to produce both products.

The finance and production teams want a way to view individual raw material consumption costs in the ledger.



You need to add a production group to control postings to the ledger.

What should you do?

- A. Create a production group for the finished good item
- B. Update the cost of the generic finished good item
- C. Create a production pool for the finished good item
- D. Create a new Bill of materials with alternate costs for the raw material

Correct Answer: A

QUESTION 11

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

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

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

What should you do?

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

Correct Answer: D

QUESTION 12

A manufacturing company is implementing Dynamics 365 Supply Chain Management. 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

QUESTION 13

HOTSPOT

You need to configure scheduling for each production area.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Production area	Scheduling option
Plastic	<div><div></div><div><div>Job</div><div>Operation</div><div>Bottleneck</div><div>Capacity</div></div></div>
Assembly	<div><div></div><div><div>Job</div><div>Operation</div><div>Bottleneck</div><div>Capacity</div></div></div>
Subcontracting	<div><div></div><div><div>Job</div><div>Operation</div><div>Bottleneck</div><div>Capacity</div></div></div>

Correct Answer:



Production area	Scheduling option
Plastic	<div><div></div><div>Job</div><div>Operation</div><div>Bottleneck</div><div>Capacity</div></div>
Assembly	<div><div></div><div>Job</div><div>Operation</div><div>Bottleneck</div><div>Capacity</div></div>
Subcontracting	<div><div></div><div>Job</div><div>Operation</div><div>Bottleneck</div><div>Capacity</div></div>

QUESTION 14**HOTSPOT**

A company makes engine parts used in the automotive industry.

They are in the process of retooling an existing manufacturing plant. They are looking to use Dynamics 365 Supply Chain Management to help support the Bill of Materials (BOM) product lifecycle for engineering version control.

You must translate existing production processes into the proper elements. You need to create BOM lifecycle states to translate existing production processes into the proper elements.

What type of BOM product lifecycle state should you create? To answer, select the appropriate BOM state in the answer area.

Hot Area:



Scenario

BOM type

Create runs for existing orders that need to be scheduled for production.

engineering
draft
costing
production

Create visibility into cost and materials estimated for prototype products.

engineering
draft
costing
production

Create visibility into cost estimates for products that use a very constrained component for the next three months.

engineering
draft
costing
production

Correct Answer:



Scenario

BOM type

Create runs for existing orders that need to be scheduled for production.

▼
engineering
draft
costing
production

Create visibility into cost and materials estimated for prototype products.

▼
engineering
draft
costing
production

Create visibility into cost estimates for products that use a very constrained component for the next three months.

▼
engineering
draft
costing
production

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

QUESTION 15

You need to address the ignition switch issue.

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

NOTE: Each correct selection is worth one point.

- A. Copy link and products.
- B. Set product readiness to manual.
- C. Define business impact.
- D. Set product readiness to automatic.
- E. Change product lifecycle state.



Correct Answer: BCE

Explanation:

B: Types of readiness checks

There are three types of readiness checks:

System check

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