

1. When using 'Job scheduling', what planning principle is available, that is NOT available with Operation scheduling?

#A. Planning with queue times

#B. Planning on task groups

#C. Planning with resource efficiency percent

#D. Planning with transportation times

Answer: B

2. When calculating a sales price for a BOM from a sales order line, where is the profit-setting selected?

#A. In the Inventory management parameters

#B. On the BOM lines

#C. In the BOM report as finished journal

#D. In the BOM calculation

Answer: D

3. When substituting an item in a BOM on a started production order, it is necessary for the production planner to delete the material consumption from one of the BOM lines. Material consumption is reported and posted on the production order. What should be done to properly record the actual material consumption?

#A. Set the status back to Created and delete the production order.

#B. Issue the additional material consumptions.

#C. Set the status back to Cost estimated.

#D. Create a new production picking list journal and create two lines one to decrease, and the other to enter consumption on the new item.

Answer: D

4. Which of the following does NOT represent a stage or step in the Production Life Cycle in Microsoft Dynamics AX?

#A. Report as finished

#B. Create

#C. Start

#D. Version control

Answer: D

5. What occurs if a production order is released and it has not been estimated or scheduled?

#A. Those steps are skipped.

#B. The estimation and scheduling steps are performed automatically.

#C. The status is reset to 'Started.'

#D. An error message is displayed and the estimation and scheduling steps must be done manually.

Answer: B

6. Without selecting "accept error," when can a production order be reported as finished?

#A. When reporting on the last operation from a route or job card journal.

#B. When reporting on any operation from a route or job card journal.

#C. When reporting on the first job on the work center.

#D. When releasing the production.

Answer: A

7. Which of the following kinds of information are set up requirements in other modules, before the Production module can be used? Choose the 2 that apply.

#A. Company information

#B. Items

#C. Journal names

#D. Routes

Answer: A, B

8. A company has limited capacity on its' machines, but the capacity of the operators is unlimited (already set on the work center). The team manager wants to plan on the machinery and see the required staff hours in the production plan. What setup BEST meets the managers requirements?

#A. The route is set up with two operations with different operation numbers, one to control the operator and one to control the machinery. Schedule with finite capacity.

#B. The Route is set up with two operations with the same operation number, one to control the operator and one to control the machinery. Schedule with finite capacity.

#C. The route is set up with the use of priority on operations, and scheduling is done with infinite capacity.

#D. The route is set up with the use of priority on operations. The scheduling is done with infinite capacity, and the task group is created on the operators resource.

Answer: B

9. Which of the following is the most accurate way to describe the work center structure in Microsoft Dynamics AX?

- #A. The companys work centers are divided into two levels, with the higher level being routing groups and the lower level being cost categories.
- #B. They are defined hierarchically, with an unlimited number of levels.
- #C. The companys work centers are divided into two levels consisting of work center groups and work centers.
- #D. The work center definitions in Microsoft Dynamics AX are composed of three tiers, work center groups, work centers and sub-contractor work centers.

Answer: C

10. Which of the following are possible job types in the routing group? Choose the 2 that apply.

- #A. Queue before
- #B. Phantom
- #C. Setup
- #D. Subcontractor

Answer: A, C

11. A production order goes through a series of updating jobs, step by step. The stage or states of a production is called the 'Production order status.' Which of the following 'Production order status' statements is true?

- #A. The names assigned to the states are in alphabetical order to make it easier to recall the correct sequence.
- #B. An authorized user is allowed to update the production order status from 'Created' to 'Report as finished', skipping all of the updating jobs in between.
- #C. When a 'Scheduled' production order's BOM is modified, the production order is already cost estimated, so there is no way to update the estimated cost.
- #D. Prior to a production order being 'Ended' the production order status can be reset to a previous status in the cycle.

Answer: D

12. What are the types of production journals?

- #A. Picking list, Work center card
- #B. Picking list, Reported as finished, Operation card
- #C. Picking list, Reported as finished, Route card, Job card
- #D. Work center card, Route card, Operation card

Answer: C

13. A company has insufficient machine capacity to meet the increased demand for its products. The company found a local machine shop that can provide the additional capacity. Prior to updating the routings, the subcontractor's machines need to be set up as work centers. What work center type should be assigned?

- #A. **Machine**
- #B. **Tool**
- #C. **Vendor**
- #D. **Human resource**

Answer: C

14. Which of the following actions is NOT possible in the BOM Designer?

- #A. An item can be dragged from the Items table and dropped in the current BOM-tree.
- #B. An item can be dragged from the BOM tree and dropped in the route to indicate which operation the item is used in.
- #C. BOM lines can be deleted from the BOM.
- #D. By clicking on the operation in the route, all related items can be seen.

Answer: D

15. What defines the capacity for a work center?

- #A. Working times calendar
- #B. Working times calendar, and run time
- #C. Working times capacity
- #D. Working times factor

Answer: A

16. Production orders are currently being assigned using a number sequence. However, the company you are working for wants the production order number to be ten digits in length, with the first four digits representing the current year. How can this be accomplished?

- #A. This format cannot be supported as the number sequences are limited to a total of eight characters.
- #B. Update the format of the production number sequence to '2007#####', where 2007 is the current year. The format will need to be manually updated each year.
- #C. Update the format of the production number sequence to 'yyyy#####'. The 'yyyy' portion will automatically be updated with the current year based on the system clock.
- #D. Go to the production parameters and remove the production number sequence so the number can be entered in this format.

Answer: B

17. Which of the following are work center cost categories? Choose the 3 that apply.

#A. Setup category

#B. Process time category

#C. Efficiency time category

#D. Quantity category

Answer: A, B, D

18. Which of the following are rules for creating the operation numbers for a simple network route? Choose the 3 that apply.

#A. The last operation in the route must have zero in its next operation field.

#B. The first operation in the route must have the lowest operation number.

#C. The operation number must be multiples of ten.

#D. The operations are linked together by the next operation field which contains the operation number of the following operation.

Answer: A, B, D

19. Which of the following statements reflect the differences between 'Operation scheduling' and 'Job scheduling' in Microsoft Dynamics AX? Choose the 2 that apply.

#A. Operation scheduling uses forward scheduling only, while Job scheduling can use any of the 12 available scheduling directions.

#B. Operation scheduling is date scheduled and Job scheduling is date and time scheduled.

#C. When an operation specifies a work center group, Operation scheduling schedules to the work center group, Job scheduling schedules to a specific work center.

#D. Operation scheduling uses unlimited capacity and Job scheduling uses limited capacity.

Answer: B, C

20. When outsourcing an operation to a vendor, after work centers and operations are created, the route must be updated to include the vendor operation. Next the BOM is updated by setting the line type to 'Vendor.' What else must be done?

#A. Set the 'Job schedule only' flag in the Item table to ensure that the production is always Job scheduled.

#B. Attach the vendor operation to the BOM line using the operation number field.

#C. Assign the vendor to the property field of the BOM line to be able to schedule it.

#D. Make sure that all operations in the route are using the same routing group.

Answer: B

21. When is 'Operation scheduling' used?

#A. To explode the production route operation into jobs.

#B. When it is required that starting and ending times are obtained for each operation.

#C. When a rough estimate of the time frame for production is required.

#D. When task orders are to be used for optimal capacity utilization.

Answer: C

22. How can a fixed material consumption be handled as an addition to the variable material consumption on the BOM line?

#A. Select the material consumption on the BOM line to constant and add the additional consumption.

#B. Set a variable and constant material consumption directly on the BOM line.

#C. Create a BOM line with constant consumption.

#D. Set the scrap on the operation that consumes the material.

Answer: C

23. Using an 'Assemble to order' manufacturing strategy; a company assembles vendor supplied components into the products it sells. Item coverage plans are used to manage adequate inventory levels of the vendor supplied components. What BOM line type should be assigned to these vendor supplied components in the BOM of the deliverable product?

#A. Vendor

#B. Item

#C. Production

#D. Phantom

Answer: B

24. When manufacturing prototypes, it is desirable to have all ledger transactions posted to separate ledger accounts specifically created for prototype accounting. Which of the following is the best practice to accomplish this?

#A. Keep a log of used voucher numbers in the prototypes.

#B. Create an item group for prototype items with separate accounts, and set up cost categories for the work centers.

#C. Create production groups with separate accounts for prototype production orders.

#D. Create special journals with separate ledger accounts for posting the prototype productions.

Answer: C

25. What can task groups on work centers identify?

- #A. Work center cost
- #B. The working calendar
- #C. Alternative work centers
- #D. Setup and run time

Answer: C

26. Which kind of scrap can be handled in Microsoft Dynamics AX?

- #A. Scrap on distribution
- #B. Scrap on BOM and routes
- #C. Only scrap on BOM
- #D. Only scrap on routes

Answer: B

27. A company manufactures televisions for customers on demand, but does not keep cabinets and prints in inventory. Therefore, the production of cabinets and prints is carried out parallel to the assembly of the televisions. What is the BEST solution to use in this situation?

- #A. Activate the route network parameter, and build the route structure using the 'next operation.'
- #B. Activate the route network parameter, and build the route structure, using priority on the operations.
- #C. De-activate the route network parameter, and build the route structure using the 'next operation.'
- #D. De-activate the route network parameter, and build the route structure, using priority on the operations.

Answer: A

28. During scheduling, what is the best method to account for the extra use of capacity due to material scrapped?

- #A. Set up a scrap percentage in the route.
- #B. Set up a higher consumption of materials on the production BOM.
- #C. Set up a scrap type on the production BOM.
- #D. Start a greater quantity corresponding to the yield

Answer: A

29. What tool can be used to evaluate existing inventory transactions and calculate minimum inventory levels?

#A. Action analysis

#B. Safety margin

#C. Safety stock journal

#D. Open order reduction principle

Answer: C

30. One of your company's work centers is going to be used for two hours in each eight hour shift for training. What adjustment needs to be made for this work center so only six hours of production work is planned for this work center shift?

#A. Set the efficiency percentage to 75.

#B. Set the operations scheduling percentage to 75.

#C. Set the capacity to six.

#D. Set the run time to six.

Answer: B

31. Which of the following is affected when specifying scrap for an operation on a route? Choose the 2 that apply.

#A. Queue time before

#B. Setup time

#C. Run time

#D. Material consumption

Answer: C, D

32. A production is fully started, but the material consumption is only partly posted. When the remaining material is on-hand, how can ONLY the remaining quantity be registered and posted in a picking list journal?

#A. Create and post a picking list journal with the remaining quantity from the Material stock out list.

#B. Create and post a picking list journal with the remaining quantity for the production order.

#C. Create a picking list journal with the remaining quantity when reporting the production order as finished.

#D. Create a picking list journal with the remaining quantity when costing a production order.

Answer: B

33. What setup determines whether items for a production can be automatically reserved?

#A. Items' inventory dimension groups

#B. Items' inventory model groups

#C. Production order setting

#D. Inventory management parameters

Answer: C

34. When can a production order be split?

#A. The production order can only be split when its status is 'Created.'

#B. It may be split up until the total scheduled quantity is started.

#C. A production order can be split once and this must be done prior to Job scheduling.

#D. A production order can be split once and this must be done prior to Operation scheduling.

Answer: B

35. Which of the following are types of inventory dimensions in Microsoft Dynamics AX?

#A. BOM and work centers

#B. Items and storage

#C. Journals and picking lists

#D. Production orders and purchase orders

Answer: B

36. All items in inventory have a batch number. The batch number is not being printed in the production picking list journal. What can be done to ensure the batch number is printed on the report?

#A. Set it up in the production parameters.

#B. Set it up on the production picking list journal.

#C. Set it up when printing the production picking list journal.

#D. Set it up in the production order default values.

Answer: C

37. When the production ledger setting is Item + Category, what ledger accounts are used for posting work center consumption?

#A. The ledger accounts specified on the work center group used by each operation in the route.

#B. The ledger accounts specified on the work center.

#C. The ledger accounts specified on cost categories attached to the operations.

#D. The ledger accounts specified in the set up of the routing groups.

Answer: C

38. An item in inventory is stored in packages of four pieces in airtight containers. Once the container is broken, any excess items must be discarded. How can one ensure that a whole number of packages is issued, regardless of the production size?

- #A. Set up a scrap to a constant of three.
- #B. Set up a scrap to a variable of four.
- #C. Round up the consumption to a multiple of four.
- #D. Round up the quantity to a multiple of four.

Answer: C

39. When setting up prerequisite work center groups and work centers in the Microsoft Dynamics AX Production module, what is true?

- #A. Before creating the work center group, all of the work centers in the group must already exist.
- #B. Any setting that is updated on a work center group is automatically updated in all of the workcenters that belong to the group.
- #C. The work center group must be created before the work centers in that group can be created.
- #D. A work center can belong to multiple work center groups.

Answer: C

40. The new management team at your company decided they needed to refine the tracking of WIP. Several new ledger accounts were added to the Chart of accounts to support managements agenda. Based on the criteria provided, you assigned the work center groups and work centers to the new ledger accounts. What is the best way to check the current ledger settings for the work center groups and work centers, and to report the data back to the management team?

- #A. For each row in the Work center group form, go to the Ledger tab and screen print the ledger settings. Repeat the process for all the work centers.
- #B. From the Work center group form, select all rows, copy and paste them into a Microsoft Excel spreadsheet.
- #C. Run the work centers report.
- #D. In the Production module, run the work centers, ledger setup report.

Answer: D

41. What best describes the difference between Master planning and Forecast planning in Microsoft Dynamics AX?

- #A. Microsoft Dynamics AX Master planning module only works with Master planning and will support Forecast planning in a later release.
- #B. Master planning is an integral part of the Accounts receivable and Accounts payable modules, while Forecast planning is integrated with the Production module.
- #C. Master planning is usually a short term plan, referred to as net requirement. Forecast planning is typically a long term plan based on estimates.
- #D. Master planning is used for Operation scheduling and Forecast planning is used when Job scheduling.

Answer: C

42. Intercompany often involves ‘make or buy’ decisions. Which of the following is NOT true of the activities surrounding these decisions?

- #A. The decision to buy is frequently made when in-house capacity is fully booked.
- #B. Planners run periodic evaluations of the firmed orders in the Master schedule to determine the availability of capacity when making these decisions.
- #C. The decision to make must be made before Intercompany master planning principles can be implemented.
- #D. Make or buy decisions involve selecting whether to produce items in-house or to buy them from an outside vendor.

Answer: C

43. Which of the following choices are NOT true about Intercompany functionality in Microsoft Dynamics AX?

- #A. Intercompany provides planners with a more transparent view of the supply chain.
- #B. Working with Intercompany involves making ‘make or buy’ decisions.
- #C. Intercompany processes are usually run only once.
- #D. Intercompany master scheduling runs Master scheduling in each intercompany.

Answer: C

44. When creating sales forecast lines and applying the allocation method key, which type of keys are used?

- #A. Item allocation keys
- #B. Minimum keys
- #C. Reduction keys
- #D. Period allocation keys

Answer: D

45. There are 100 units of an item on hand. A sales order for 40 units with a delivery date in 20 days is entered. Why would Master scheduling create a planned purchase order to cover the sale, instead of using the existing inventory?

- #A. Negative days is less than 20.
- #B. Positive days is less than 20.
- #C. The firming time fence is less than 20.
- #D. The coverage time fence is less than 20.

Answer: B

46. A purchase order is created to fulfill a sales order; update marking is set to 'no.' The delivery day for the purchase order and the sales order match each other. The purchase order is then delayed two days, which is updated on the purchase order. Later, the Master scheduling is executed and a planned purchase order is created to fulfill the sales order with the same delivery date as the sales order. Why is the planned order created?

- #A. Negative days is below two days.
- #B. Positive days is below two days.
- #C. Negative time fence is below two days.
- #D. Planned ordertime fence is below two days.

Answer: A

47. What reduction principles can be applied to the Forecast plans?

- #A. Period allocation keys
- #B. Open order, percent
- #C. Period, requirement, mm/max
- #D. Scheduled, released, started

Answer: B

48. How is an item coverage planned if it does not belong to a coverage group and no item coverage is defined?

- #A. The item is not coverage planned.
- #B. The item is coverage planned according to the default coverage group given in the Masterplanning parameters.
- #C. The item is coverage planned according to the default coverage group given in the setup of the Master plan being used.
- #D. The item is coverage planned according to the default coverage group defined in the Inventory management parameters.

Answer: B

49. What time fence is NOT used in Master planning?

- #A. Coverage time fence
- #B. Freeze time fence
- #C. Vendor time fence
- #D. Explosion time fence

Answer: C

50. What displays the results of the latest Master scheduling for a single item including the planned orders, inventory levels and expected receipts and issues?

- #A. Gross requirements
- #B. Net requirements
- #C. Session log
- #D. Action report

Answer: B

51. In the Master plan processing, Microsoft Dynamics AX can generate several different proposals for changes to planned and existing orders in order to optimize inventory issues and receipts. What are the proposals called?

- #A. Future messages
- #B. Action messages
- #C. Derived messages
- #D. Net requirements

Answer: B

52. How can the use of item allocation keys assist in the Forecast planning process in Microsoft Dynamics AX? Choose the 2 that apply.

- #A. Item allocation keys can be used to lessen the time that you spend putting your item forecasts into the system.
- #B. Item allocation keys can be used to plan forecast figures for the complete item, without its dimensions.
- #C. Item allocation keys are used to reduce the sales and purchase forecast requirement from the Forecast plan when you run Master scheduling.
- #D. Item allocation keys can be used to specify an allocation of the forecasted sale and purchase.

Answer: A, B

53. When running Master scheduling, reduction keys are used to reduce the forecast sales and purchase requirements. How is the reduction key applied to the item?

- #A. By the coverage group.
- #B. The reduction key is assigned in the Item table.
- #C. The reduction key is selected on the sales or purchase forecast line.
- #D. There is no link to an item and all items for a given Master scheduling execution must use the same reduction key.

Answer: A

54. What type of planned order is NOT possible after running Master scheduling?

- #A. Purchase
- #B. Production
- #C. Quarantine
- #D. Transfer

Answer: C

55. The Dynamic master plan can be executed using three different principles in Microsoft Dynamics AX. Which of the following principles do NOT apply to the Dynamic master plan?

- #A. Regeneration
- #B. Netchange
- #C. Net change minimized
- #D. Grouping

Answer: D

56. A sales order with a delivery date in 90 days, for an item using the requirement coverage code, is not covered by a planned purchase order when Master scheduling is run. Why is the sale not requirement covered?

- #A. Firming time fence is less than 90 days.
- #B. Action time fence is less than 90 days.
- #C. Capacity time fence is less than 90 days.
- #D. Coverage time fence is less than 90 days

Answer: D

57. After running Master scheduling, what is the quickest way to view the results, including the number of lines requirement planned, planned orders created and the processing time required?

- #A. Gross requirements
- #B. Net requirements
- #C. Session log
- #D. Actions report

Answer: C

58. How many levels can be used in a Forecast model?

#A. One

#B. Two

#C. Three

#D. Four

Answer: B

59. After running Master scheduling, what would be the reason that a planned purchase order is not automatically firmed once inside the firming time fence?

#A. The item's inventory dimension groups serial number is active.

#B. Action messages are not activated in the Master planning parameters.

#C. The item is not associated with a supplier.

#D. There is insufficient capacity.

Answer: C

60. When might it be best for a company to use a one Master plan strategy?

#A. When the company wants to make sales order simulations.

#B. When the company wants to calculate exact delivery dates.

#C. When it is not important that sales people can confirm delivery dates to customers.

#D. When orders resulting from order simulations are not firmed right away.

Answer: C