Exam

https://selldocx.com/products test-bank-introduction-to-materials-management-6e-arnold

ne					
I TIDI E CHOI	CE Choose the	a one alternative that he	st completes the statemer	nt or answers the questior	.
			ducing at the level of	•	1)
		demand through subcor			'' —
A) ma Answer: Explanat		B) level	C) minimum	D) all of the above	
2) The first	·		d control (MDC) overtons in		2)
A) ma C) stra	terial requirem ategic business	ent plan	d control (MPC) system is B) production plan D) master producti		2)
Answer: Explanat					
	•	for research, developme	nt, and design of new pro	ducts or modifications to	3)
existing A) Pro	ones. Iduction	B) Marketing	C) Finance	D) Engineering	
Answer: Explanat					
A) pro B) der C) the	ake to stock who duct has a long mand is fairly core are few procore the above	shelf life onstant and predictable			4)
Answer: Explanat					
	is a process fo us departments		e strategic business plan a	nd coordinating plans of	5)
A) SO	•	B) MRPII	C) JIT	D) MRP	
Answer:					
Explanat	ion: A) B) C) D)				

6) Gi	 Given the objectives set by the strategic business plan, production management is concerned with: A) quantities of each product group that must be produced in each period B) the resources of equipment, labor, and material needed in each period C) the desired inventory levels D) all of the above 						
	nswer: D xplanation:	A) B) C) D)					
	In a environment, manufacturers wait until an order is received from a customer before starting to manufacture the goods.						
310	A) make-to-		goods.	B) make-to-order			
	•			D) engineer-to-order			
	C) assembly	- to-order		D) engineer-to-order			
	nswer: B xplanation:	A) B) C) D)					
8)			oduce goods and se	ervices. It means having the res	sources available to	8)	
sa	itisfy demand			5) 5			
	A) MRPII			B) Production leveling			
	C) Capacity			D) Subcontracting			
	nswer: C	- •					
E>	xplanation:	A) B) C) D)					
9) Pr	roduction leve	elina is conti	nually producing a	in amount:		9)	
,,	A) greater th	_		B) equal to the average	e demand	·/ <u> </u>	
	C) less than	_		D) none of the above			
Aı	nswer: B	_					
	xplanation:	A) B) C) D)					
				es and uses of funds available to	o the firm, cash flows,	10) _	
pr			nt, and budgets.	0) 5	5)		
	A) Engineeri	ng	B) Finance	C) Production	D) Marketing		
	nswer: B	- •					
Ex	xplanation:	A)					
		B)					
		C)					
		D)					

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

11) A company wants to produce 10,000 units of an item over the next three months at a level rate. The first month has 20 working days; the second 20 working days; and the third 10 working days because of an annual shutdown. On average, how much should the company produce each day to level production? Answer: Total production = 100,000 units Total working days = 20 + 20 + 10 = 50 working days Average daily production = 100,000/50 = 200 units per day Explanation:							11) _				
12) \//ha	at are the advantages	of the ch	ase strat	eav?						12)	
Ans	12) What are the advantages of the chase strategy? Answer: The advantage to the chase strategy is that inventories can be kept to a minimum. Goods are made when demand occurs and are not stockpiled. Thus, the costs associated with carrying inventories are avoided. Explanation:										
oper plan each	13) A company wants to develop a level production plan for a family of products. The opening inventory is 100 units, and an increase to 160 units is expected by the end of the plan. The demand for each period is given. How much should the company produce each period? What will be the ending inventories in each period. Assume all periods have the same number of working days.							13) _			
Plan	od cast Demand ined Production ined Inventory	1 100 100	2 120	3 130	4 140	5 120	6) 11(To)	tal		
Ans	wer: Period Forecast Demai Planned Produ Planned Invent Total productio	ction ory on = 110 +	1 100 130 100 120 + 13	2 120 130 130 130	3 130 130 140 + 120 + 1	4 140 130 140 10 = 720	5 120 130 130 1 + 60 inc	6 110 130 140 crease in	Total 720 780 160 inventory		
over plan = 780 Period production = 780 divided by 6 = 130 units The ending inventory for period 1 is 130, for period 5 is 140 (see above). Take opening inventory of 100 plus planned production of 130 less the forecast demand of 100 to get the ending planned inventory of 130 in period 1 and so on. Explanation:											
14) Under what conditions do firms make-to-order? Answer: Generally, firms make to order when goods are produced to customer specifications the customer is willing to wait while the order is being make, the product is expensive to make and to store, and several product options are offered.								14) <u> </u>			

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Explanation:

	15) What questions must be answered in resource requirements planning?	15)
	Answer: Once the preliminary production plan is established, it must be compared to the existing resources of the company. Two questions must be answered. 1. Are the resources available to meet the production plan? 2. If not, how will the differences be reconciled?	
	Explanation:	
	16) A company wants to produce 500 units over the next e months at a level rate. The months have 20, 21, and 19 working days, respectively. On average, how much should the company produce each day to level production?	16)
	Answer: 8.3 units per day Explanation:	
	17) What information is needed to make a production plan?	17)
	Answer: The information needed to make a production plan includes: forecast by period for the planning horizon, opening inventory, desired ending inventory, and any past-due customer orders. These are orders that are late for delivery and are sometimes called back orders.	
	Explanation:	
	18) Discuss the general procedure for developing a level production plan.	18)
	Answer: The general procedure for developing a level production plan is: (1) total the forecast demand for the planning horizon, (2) determine the opening backlog and the desired ending backlog, (3) calculate the total production (which is the total forecast plus the opening backlog minus the ending backlog), (4) calculate the production required each period by dividing the total production by the number of periods, and (5) spread the existing backlog over the planning horizon according to due date per period.	
	Explanation:	
	19) A company plans to produce 20,000 units in a 3 month period. The months have 20, 21, and 22 days respectively. How much will be produced in each of the three months?	19)
	Answer: Month 1= 174; Month 2 = 166; Month 3 = 158. Explanation:	
	20) If opening inventory is 400 units, demand is 900 units, and production is 800 units, what will be the ending inventory?	20)
	Answer: (400 + 800) - 900 = 300 units Explanation:	
TRUE	/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.	
	21) Along with the market and financial plans, the production plan is concerned with implement the strategic business plan. The planning horizon is usually eighteen to sixty months and is typically reviewed each year.	ing 21)
	Answer: True 🖸 False	

Explanation:

22)	The strategic business plan integrated the plans of all departments in an organization and is normally updated monthly.					
	Answer: True Explanation:	False				
23)		f a production leveling strategy is that it results in smooth level of operations of changing production levels.	23)			
	Answer: True Explanation:	False				
24)	Sales and operations engineering, and fin	s planning is medium range and includes the marketing, production, ance plans.	24)			
	Answer: True Explanation:	False				
25)	MRP II provides cod	ordination between marketing and production.	25)			
	Answer: True Explanation:	False				
26)	-	reloping a production plan is to maximize the costs of carrying inventory, in level, and stocking out (not supplying the customer what is wanted when it is	26)			
	Answer: True Explanation:	False				
27)	•	ERP systems allows the tracking of orders and other important planning and throughout the entire company from procurement to ultimate customer	27)			
	Answer: True Explanation:	False				
28)	The production plar horizon.	sets the general levels of production and inventories over the planning	28)			
	Answer: True Explanation:	False				
29)	general direction to	m strategic planning to production activity control, the purpose changes from specific detailed planning, the time span decreases from years to days, and the ise from general categories to individual components and workstations.	29)			
	Answer: True Explanation:	False				
30)		mining the resources required and comparing them to the available resources of the planning levels and is the problem of capacity management.	30)			
	Answer: True Explanation:	False				

Answer Key Testname: C2

- 1) C
- 2) C
- 3) D
- 4) D
- 5) A
- 6) D
- 7) B
- 8) C
- 9) B
- 10) B
- 11) Total production = 100,000 units

Total working days = 20 + 20 + 10 = 50 working days

Average daily production = 100,000/50 = 200 units per day

12) The advantage to the chase strategy is that inventories can be kept to a minimum. Goods are made when demand occurs and are not stockpiled. Thus, the costs associated with carrying inventories are avoided.

13) Period	1	2	3	4	5	6	Total
Forecast Demand	100	120	130	140	120	110	720
Planned Production	130	130	130	130	130	130	780
Planned Inventory	100	130	140	140	130	140	160

Total production = 110 + 120 + 130 + 140 + 120 + 110 = 720 + 60 increase in inventory over plan = 780

Period production = 780 divided by 6 = 130 units

The ending inventory for period 1 is 130, for period 5 is 140 (see above). Take opening inventory of 100 plus planned production of 130 less the forecast demand of 100 to get the ending planned inventory of 130 in period 1 and so on.

- 14) Generally, firms make to order when goods are produced to customer specifications, the customer is willing to wait while the order is being make, the product is expensive to make and to store, and several product options are offered.
- 15) Once the preliminary production plan is established, it must be compared to the existing resources of the company. Two questions must be answered. 1. Are the resources available to meet the production plan? 2. If not, how will the differences be reconciled?
- 16) 8.3 units per day
- 17) The information needed to make a production plan includes: forecast by period for the planning horizon, opening inventory, desired ending inventory, and any past-due customer orders. These are orders that are late for delivery and are sometimes called back orders.
- 18) The general procedure for developing a level production plan is: (1) total the forecast demand for the planning horizon, (2) determine the opening backlog and the desired ending backlog, (3) calculate the total production (which is the total forecast plus the opening backlog minus the ending backlog), (4) calculate the production required each period by dividing the total production by the number of periods, and (5) spread the existing backlog over the planning horizon according to due date per period.
- 19) Month 1= 174; Month 2 = 166; Month 3 = 158.
- 20) (400 + 800) 900 = 300 units
- 21) FALSE
- 22) FALSE
- 23) FALSE
- 24) TRUE
- 25) TRUE26) FALSE
- 27) TRUE
- **28) TRUE**

Answer Key Testname: C2

29) TRUE 30) TRUE