PI	RE-QUIZ NUMBER FOUR - CHAPTERS 19 AND 20 Name
	CCT. 102 -
С	HAPTER 19
T	rue-False:
Th be	ne following statements are either true or false. Place a (T) in the parentheses before each true statement and an (F) afore each false statement.
1.	(T) Under absorption costing, direct materials, direct labor, and all manufacturing overhead costs are assigned to products.
2.	(T) Under variable costing, direct materials, direct labor, and variable overhead cost are assigned to products.
3.	(F) The difference between absorption costing and variable costing is the inclusion in absorption costing of fixed selling expenses.
4.	(F) Under absorption costing, fixed overhead costs are treated as a period cost. Product
5.	(T) Under variable costing, the total variable costs are first deducted from sales to arrive at contribution margin.
6.	(T) Expenses are grouped according to function under the absorption costing method. GAAP
7.	(F) When quantity produced equals quantity sold, net income is higher under the absorption costing method. Same
8.	(T) Many companies link manager bonuses to income computed under absorption costing.
9.	(T) The manager incentive problem can be avoided when income is measured using variable costing.
10	. (F) Cost information is <u>not</u> important when setting the price of a product.
M	ultiple Choice:
E_	1. Under which of the following costing methods are all manufacturing costs assigned to products? a. Absorption costing. b. Full costing. c. Variable costing. d. Fixed costing. e. Both a and b.
В	2. Under variable costing, which of the following costs will become part of the product cost?

c. Direct labor and direct materials.

a. Direct labor, direct materials, variable overhead, and fixed overhead.

b. Direct labor, direct materials, and variable overhead.

d. Direct labor, direct materials, and fixed overhead.

A 3. C	Compute the inventory unit cost under both the abne following summary cost data:	sorption costing and variable	e costing methods, assuming
(a	Direct labor cost Direct materials cost Variable overhead cost Fixed overhead cost Expected units produced Absorption costing \$19; Variable costing \$15.	\$10 per unit \$3 per unit \$250,000 \$500,000 \$25,000 units	ù
ь	. Absorption costing \$15; Variable costing \$19.		VC
d e.	. Absorption costing \$15; Variable costing \$13.	DM 3 DL 10	DM 3 DL 10
Short problem	#1:	FoH 6	VOH 2

Vito Corporation, a manufacturer of in-home decorative fountains, began operations on September 1 of the current year. Its cost and sales information for this year follows.

Production costs Direct materials \$ 35 per unit Direct labor 55 per unit Overhead costs for the year Variable overhead \$ 4,400,000) = 110,000 = 60 pu unit Fixed overhead Nonproduction costs for the year Variable selling and administrative 800,000 Fixed selling and administrative \$ 4,500,000 Production and sales for the year 110,000 units } 30,000 × 60 per unit = 1,800,000 so,000 units } 30,000 × 60 per unit = 1,800,000 Units produced Units sold Sales price per unit \$ 360 per unit

Required: Prepare an income statement using variable costing. Use the form on the next page.

VITO CORPORATION Variable Costing Income Statement



Sales	(80,000 * \$360)			\$ 28,800,000
Variable	expenses:			8 8
*	Variable manufacturing expense (1) Variable selling and administrative expense	\$ 1	0,400,000 800,000	ş ı
	Total variable expenses			11,200,000
Contribu	tion margin			17,600,000
Fixed ex	penses:			
	Fixed manufacturing expense Fixed selling and	6	5,600,000	
	administrative expense	2	,500,000,	
	Total fixed expenses	-		11,100,000
Net incor	me			\$ 6,500,000
(1)	Direct materials	\$	35.00	
	Direct labor Variable overhead (\$4.4		55.00	
	million / 110,000)	,	40.00	<u> </u>
	Per unit variable manufacturing cost	\$	130.00	
	Multiplied by units sold		80,000	<u></u>
	Variable manufacturing expense	<u>\$ 1</u>	0,400,000	

CHAPTER 20

True-False:

The following statements are either true or false. Place a (T) in the parentheses before each true statement and an (F) before each false statement.

- (T) A company that has a formal budgeting process has clearly established that planning for the future is an important management responsibility.
- (F) Because budgets are based on many predictions of the future, a performance evaluation is more likely to be useful if it
 compares actual performance for the most recent period with actual performance from earlier periods instead of comparing
 the most recent period's performance with budgeted amounts.
- (F) As a control over its management, the production department should <u>not</u> be allowed to participate in preparing its own budget; otherwise, the department is likely to manipulate the budgeted amounts so that the goals will be easy to meet.
- 4. (T) If a company prepares a budget each month covering the next twelve one-month periods, it is using continuous budgeting.
- 5. (F) The production budget should be the first budget prepared for a manufacturing company. 5 als
- 6. (T) The final document developed in preparing the master budget is the budgeted balance sheet.
- 7. (T) A production budget does not include budgeted production costs. These costs are included in the manufacturing budget. Un
- 8. (F) Because interest and income tax expense are the responsibility of a company's top management, they <u>are</u> included in the general and administrative expense budget.
- (F) The <u>capital expenditures</u> budget is used to plan cash receipts and disbursements with the goal of ensuring that the company
 has sufficient cash available to meet future operating needs.
- (T) Cash budgets show how much money is to be received from or expended on each activity and when the receipts and
 expenditures are to occur.

Multiple Choice: Playland has budgeted sales of \$34,000 during September. The store expects to begin September with an \$18,700 B 1. inventory and end the month with a \$16,500 inventory. Playland's cost of goods sold averages 60% of sales. Determine budgeted purchases for September. a. \$11,400. Purchases for sales (\$34,000 * 60%) \$20,400 b. \$18,200. Desired ending inventory 16,500 c. \$19,080. Less beginning inventory (18,700)d. \$22,600. Budgeted purchases \$18,200 e. \$31,800. 2. Fabricon Company sells a product called Streamer. Management predicts that the June 30 inventory will consist of 12,000 Streamers. In addition, management predicts that sales for the next three quarters will reach these levels: Third quarter 26,500 units Fourth quarter 57,000 units First quarter (next year) 24,600 units Management's policy states that the company should end each quarter with a merchandise inventory equal to 40% of the next quarter's budgeted sales. How many units should Fabricon purchase in the third and fourth quarters to meet this policy? Q3: 26,500 + (40% * 57,000) - 12,000 = 37,300Third Fourth **Ouarter** Quarter 37,300 44,040 69,200 b. 25,100 67,800 11,640 c. 30,400 75,300 d. 79,200 5,160 3. Which of the following is true regarding budgeting and human behavior? The budget process has no effect on employees' attitudes. The budget process can create a positive effect on employees' attitudes, or it can create a negative effect. It does not affect most employees as only those in the accounting department are involved. The goals reflected in the budget should require performance much higher than an "attainable" standard. None of the above are true. Which of the following is not true?

Budgeted balance sheets are dependent on budgeted income statements.

Budgeted income statements include depreciation expense.

Sales budgets are prepared before cash budgets.

d. Cash budgets include depreciation expense.

e. Inventory to purchase = Budgeted ending inventory + budgeted cost of sales - budgeted beginning inventory.

Short problem #1:

Woody Company budgeted the following cash receipts and cash disbursements from operations for the third quarter of the current year:

est to est	Receipts	Disbursements
July	\$100,000	\$ 80,000
August	65,000	89,950
September	115,000	110,000

According to a credit agreement with the company's bank, Woody Company promises to have a minimum cash balance of \$15,000 at the end of each month. In return, the bank has agreed that the company can borrow up to \$50,000 with interest of 12% per year. Interest must be paid on the last day of each month. The interest is calculated on the beginning balance of the bank loan for the month. In addition, to the extent possible, the principal amount borrowed from the bank must be repaid on the last day of each month. The company is expected to have a cash balance of \$15,000 and a bank loan balance of \$5,000 on July 1.

Required: Prepare monthly cash budgets for the third quarter.

C	DY COMPAN ash Budget hird Quarter	Y	
177.00	July	August	September
Beginning cash balance	\$15,000	\$29,950	\$15,000
Cash receipts	100,000	65,000	115,000
Total	115,000	94,950	130,000
Cash disbursements	(80,000)	(89,950)	(110,000)
Interest expense			
July (\$5,000 x 1%)	(50)		
August (none)			
September (\$10,000 x 1%)			(100)
Preliminary balance	34,950	5,000	19,900
Additional loan from bank		10,000	
Repayment of loan to bank	(5,000)		(4,900)
Ending cash balance	\$29,950	\$15,000	\$15,000
Ending bank loan balance	\$ 0	\$10,000	\$ 5,100

Short problem #2:

Volt Company manufactures an innovative automobile transmission for electric cars. Management predicts that ending inventory for the first quarter will be 44,000 units. The following unit sales of the transmissions are expected during the rest of the year: second quarter, 304,000 units; third quarter, 230,000 units; and fourth quarter, 236,500 units. Company policy calls for the ending inventory of a quarter to equal 60% of the next quarter's budgeted sales.

Required: Prepare a production budget for both the second and third quarters that calculates the number of transmissions to manufacture.

VOLT COMPANY Production Budget Second and Third Quarters

	Second	Third
_	Quarter	Quarter
Budgeted ending		
inventories	138,000	141,900
Add: budgeted sales	304,000	230,000
Required units available Less: beginning	442,000	371,900
inventories	(44,000)	(138,000)
Units to be produced	398,000	233,900

Short problem #3:

Electro Company manufactures an innovative automobile transmission for electric cars. Management predicts that ending inventory for the first quarter will be 37,500 units. The following unit sales of the transmissions are expected during the rest of the year: second quarter, 213,000 units; third quarter, 499,000 units; and fourth quarter, 248,000 units. Company policy calls for the ending inventory of a quarter to equal 30% of the next quarter's budgeted sales. Each transmission requires 2.5 direct labor hours, at a cost of \$17.6 per hour.

Required: Prepare a direct labor budget for the second quarter.

ELECTRO COMPANY Production Budget Second Quarter

Budgeted ending inventories	149,700
Add: budgeted sales	213,000
Required units available	362,700
Less: beginning inventories	(37,500)
Units to be produced	325,200

ELECTRO COMPANY Direct Labor Budget Second Quarter

Budgeted production (units)	325,200	
Labor required per unit (hours)	Company of the Compan	
X	2.5 hrs.	
Total labor hours needed	813,000 hrs.	
Labor rate per hour		
X	\$ 17.60	
Labor dollars	\$ 14,308,800	

PRE-QUIZ NUMBER FIVE – CHAPTERS 21 . Name ______ ACCT. 102 Chapter 21

The following statements are either true or false. Place a (T) in the parentheses before each true statement and an (F) before each false statement.

- (F)A fixed budget performance report always compares actual costs with budgeted amounts based on the <u>actual</u> operating level.
- 2. (F) The same costs are fixed or variable in all businesses. For example, office supply costs are always variable.
- (T) A flexible budget performance report always compares actual costs with budgeted amounts based on the actual
 operating level.
- (F) Standard costs are determined by averaging historical costs that occurred when the company operated within a normal operating range.
- 5. (T) A variance is favorable if actual cost is below standard cost.
- 6. (F) A variance is favorable if actual revenue is below standard revenue.
- 7. (F) A company's standard direct material cost for producing 10 units of a product is \$200 but the actual direct material cost was \$180. We can safely conclude that the \$20 variance must have resulted because the materials price was lower than standard. Quantity variance?
- (T) An unfavorable overhead volume variance is caused by the fact that the plant did not reach the operating level that
 was expected when the predetermined overhead application rate was selected.
- (T) A general journal entry to record a standard material cost in the Goods in Process Inventory account and an unfavorable material quantity variance would include a debit to Direct Material Quantity Variance.
- 10. (T) When variances are recorded in separate accounts, they are closed directly to the Cost of Goods Sold account at the end of the accounting period only if their balances are immaterial.

Multiple-choice:

True-false:

You are given several words, phrases or numbers to choose from in completing each of the following statements or in answering the following questions. In each case, select the one that best completes the statement or answers the question and place its letter in the answer space provided.

- D______1. Bubbling Waters Company manufactures and sells hot tubs. Which one of the following costs is likely to be fixed?
 - a. Fiberglass materials.
 - b. Installation costs.
 - c. Direct labor.
 - d. Monthly rent expense for the factory building.
 - e. None of the above.

A2.	This information describes the results experienced by a manufacturing compan		
	Standard direct materials (10 lbs. @ \$4/lb.)	\$40/unit	
	Actual direct materials used	11,340 lbs.	
	Direct materials cost variance (favorable)	\$2,400	
	Actual finished units manufactured	1.080	

What is the actual cost of direct materials for the period?

a.	\$40,800.	Standard: 10 lbs. * \$4/lb * 1,080 units =	\$43,200
b.	\$42,960.	Less: favorable variance	(2,400)
c.	\$43,200.	Equals actual costs	\$40,800

d. \$45,600.

e. \$47,760.

- B_____3. Lyle Inc. produced 3,700 units of finished product, using 15,000 pounds of raw material. Lyle purchased 16,000 pounds for \$158,400. The material standards for the product are 4 pounds at \$10 per pound. What are the materials quantity variance and materials price variance, respectively?
 - a. \$2,000 F; \$1,500 F
 - b. \$2,000 U; \$1,500 F
 - c. \$2,000 F; \$1,500 J
 - d. \$2,000 U; \$1,500 U
 - e. None of the above.

Quantity variance:

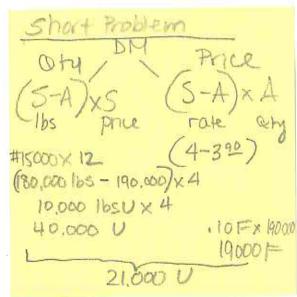
(15,000 lbs. - 14,800 * lbs.) * \$10 = \$2,000 U

Price variance:

(\$9.90** - \$10) * 15,000 lbs. = \$1,500 F

*3,700 units made *4 lbs./unit = 14,800 lbs.

**\$158,400 / 16,000 lbs. = \$9.90 / lb.



DL

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