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The University Prof. Abbas Al-Refaie	ersity of Joro		
Course: Cost Accounting (First Exam 20 %, 3/4/2022)	Name ID:		Section:
1 (6 pts) Please state whether each of the following state			
1. Costs of materials used and machining are the companie	a control of the	aise their correct i	me raise part:
Costs of materials used and machining are the conversion     Rent and lease costs in a merchandize sector are treated.     Mineral water purchased for resale by Safeway is a period.	n costs when the	cost driver is quan	tity produced. ( Pittie
3. Mineral water purchased 5.	as merchandize	costs.	( period
J. Marchan Water purchased for resale by Safeway is a period	od cost.		( WENEWENSON IV
4. Merchandizing companies have no inventories and, hence		able costs.	(service, no
5. Freight-in costs in a manufacturing sector are charged to			( Raw materia
6. The sales manager's overtime would be charged as period			(T
7. Depreciation on an equipment used in a manufacturing i	ndustry is charge	ed as indirect cost.	( 7
8. Plant insurance taxes on sales building are charged as ov	erhead costs.		(period)
			The second second second second
19. For a purchasing department, the number of purchases c	an be used as the	relevant range.	(cost down
19. For a purchasing department, the number of purchases <u>c</u> 20. Allocated design costs of a specific product may be regal  Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on <u>January 1, 2009</u> are as follows (V: standard Description	units in metal m ds for variable;	sanufacturing firm w F: stands for fixed	( period ( cost driver ( indirect which began production and
20. Allocated design costs of a specific product may be regard (O2 (6 pts) The costs (million \$) incurred to produce 10,000	arded as direct co	ists.	which began production and
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard).	units in metal m	sanufacturing firm w F: stands for fixed	which began production and
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard Description  Purchases of raw materials	units in metal m ds for variable;	sanufacturing firm w F: stands for fixed Variable (5) 150,000	which began production and
Q2 (6 pts) The costs (million 5) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard Description  Purchases of raw materials  Direct material used costs	units in metal m ds for variable;	sanufacturing firm w F: stands for fixed Variable (S) 150,000	which began production and
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard Description  Purchases of raw materials  Direct material used costs  Prime costs	units in metal m ds for variable;	sanufacturing firm w F: stands for fixed Variable (5) 150,000	which began production and
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard Description  Purchases of raw materials  Direct material used costs  Prime costs  Plant energy costs  Depreciation, rent and machines' indirect costs	units in metal m ds for variable;  Fixed (8)	variable (S) 150,000 10,000 T 10,000 T	which began production and
Q2 (6 pts) The costs (million 5) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard produce 10,000 perception purchases of raw materials priest material used costs  Prime costs  Plant energy costs  Deprectation, rent and machines' indirect costs  Indirect manufacturing labor costs	units in metal m ds for variable;  Fixed (S)  10,000 I 10,000 J	variable (5) 150,000 100,000 150,000 10,000 10,000 10,000 10,000 10,000 10,000	which began production and
Q2 (6 pts) The costs (million 5) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard produce 10,000 percentage).  Description  Purchases of raw materials  Direct material used costs  Prime costs  Plant energy costs  Depreciation, rent and machines' indirect costs  Indirect manufacturing labor costs  Marketing, distribution, and customer-service costs	units in metal m ds for variable;  Fixed (8)	variable (S) 150,000 10,000 T 10,000 T	which began production and
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard stand	units in metal m ds for variable;  Fixed (S)  10,000 I 10,000 J	sis.  Sanufacturing firm w F: stands for fixed  Variable (S) 150,000 100,000 150,000 10,000 T 10,000 T 10,000 T 10,000 T 10,000 T 10,250 61,500	which began production and
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard stand	units in metal m ds for variable;  Fixed (S)  10,000 I 10,000 J	Variable (S) 150,000 10,000 1 10,000 1 20,000 10,250	which began production and
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard stand	units in metal m ds for variable;  Fixed (S)  10,000 I 10	Variable (S) 150,000 100,000 T 10,000 T	distribution and customer- ventory is carried out at the
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Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: stans Description  Purchases of raw materials Direct material used costs Prime costs Plant energy costs Depreciation, rent and machines' indirect costs Indirect manufacturing labor costs Marketing, distribution, and customer-service costs Finished-goods inventory (5) January 1, 2009 Finished-goods inventory (5) January 31, 2009 Gross Margin  Variable manufacturing costs are variable with respect to service costs are variable with respect to units sold. The begaverage unit manufacturing cost.  (1) Calculate the Cost of Goods Manufactured in January,  Prime Cost + indirect Cost  1 5 0,000 + 5 0,000 = 1	Punits in metal m ds for variable;  Fixed (S)  10,000 I 1	Variable (S) 150,000 100,000 10,000 T 10,000 T 10,000 T 20,000 10,250 61,500 30% revenues  Variable marketing, ng finished-goods in	distribution and customer- ventory is carried out at the
Q2 (6 pts) The costs (million \$) incurred to produce 10,000 sales operations on January 1, 2009 are as follows (V: standard per sales operations on January 1, 2009 are as follows (V: standard per sales of raw materials description)  Purchases of raw materials  Direct material used costs  Prime costs  Plant energy costs  Depreciation, rent and machines' indirect costs  Indirect manufacturing labor costs  Marketing, distribution, and customer-service costs  Finished-goods inventory (\$) January 1, 2009  Finished-goods inventory (\$) January 31, 2009  Gross Margin  Variable manufacturing costs are variable with respect to units sold. The begaverage unit manufacturing cost.  (1) Calculate the Cost of Goods Manufactured in January,  Prime Cost + indirect Cost  1 5 0,000 + 5 0,000 + 148.3	units produced cinning and ending	Variable (S) 150,000 100,000 T 10,000 T	distribution and customer- ventory is carried out at the
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ABC company uses the Normal costing system for 2021 with two direct cost pools for material and indirect cost pool and direct labor costs as the cost allocation base. The company had no finished g entories. The following information was known about the firm for 2021.

Description	Amount (S)	Description	Amount (5
Budgeted material costs		Description	900
Budgeted labor costs	1000	Actual material costs	3600
	4000	Actual labor costs	
Budgeted overhead costs	3000	Actual overhead costs	2500
Budgeted labor hours	200		180
Budgeted labor hours	200	Actual labor hor	

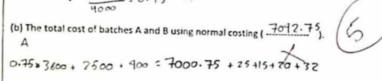
There was no work in process on Jan. 2021 and there were two jobs/batches in process on Dec., 31, 2021

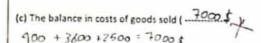
Description	Batch A	Batch E
Direct material costs (5)	25	15
Direct labor costs (5)	20	32

## Calculate:

(a) The indirect cost rate using normal costing (0.75 1 pirech labor cost.

ind rate: Budgeted overhead costs





(d) The under-or over allocated overhead ( =200 over allocate d

= Actual indirect cost incurred. Indirect cost allocated

(e) The direct labor rate per labor hour using variation from normal costing ( .201 ) hour









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Course: Cost Accounting (First Exam 20 %, 3/4/202	versity of J	me:	
O1 (6 pts) Please state whether each of the following sta  1. Property taxes on sales building as a beginning to the state of the following state of the state of the following state of the state of th	**/	ID;	- Section:
Property taxes on sales building are charged as indirect     Depreciation on an acquirect	tements is Tru	e/False then corre	ect the false part:
2. Depreciation on an equipment and i	manufacturing	costs.	( pende)
Depreciation on an equipment used in a service industry     Rent and lease costs in a march of the service industry	is charged as i	indirect cost.	( period
Rent and lease costs in a merchandize sector are treated     Mineral water purchased for reach has a sector are treated	as indirect mar	ufacturing costs.	
Parchisco for resale by Safaway is porice	I married to the control	handising company	( Merch
and maintacturing sector are character	SMITH		( DH Cest
o. For a purchasing department, the number of purchases of	on his result in at	ne relevant range	( cust du
beny from panies have no inventories and henve	or not inventor	Address of the Control of the Contro	
o. Costs of materials used and machining are the prime cos	ts when the end	driver is quantity	produced /
be charged as	period ener	- squaring	produced. (
<ol> <li>Traced design costs of a specific product are regarded a</li> </ol>	s period costs		( Index
Purchases of raw materials	Fixed (5)	Variable (S)	
Direct material used costs		155,000	
Prime costs		150,000	
Plant energy costs Depreciation, rent and machines' indirect costs	20.000	10,000	
Indirect manufacturing labor costs	20,000	10,000	
Marketing, distribution, and customer-service costs	10,000	20,000	
		10, 250	
Finished-goods inventory (\$) January 1, 2009		61,500	
Finished-goods inventory (8) January 31, 2009		4070	
Finished-goods inventory (5) January 31, 2009  Gross Margin		revenues	
Finished-goods inventory (5) January 31, 2009	mang and endi	No. 1 to 1	, distribution and custome nventory is carried out at the



 $\times$ 



	Challe on the second	*
1	S= R/q =25	
	S= 1/4=23	
3. Calculate the selling price. (Answ	1 1 1 1 1 1 1 1 1	
O Clint cost = 4	20 \$185,937	5 00 1104
@CGS = 148,7	20 R = 185,937.3 PPs = 148 950	= 7438 000
. Calculate the variable cost per un		
Vm=17=	19:69	
V mark = 20,000	12 was = 2.69	
O3 (8 pts). Given the following cost	Details	Amount
information:	Direct materials used	/105 million \$
	Conversion costs - Plant utilities	91 million \$ 5 million \$
	Indirect manufacturing labor	20 million S
	Depreciation—plant and equipment (50 % Fixed costs)	9.million S
T=(5)+	Plant supplies used Property tax on plant	6 million \$ 1 million \$
2 0-	Miscellaneous manufacturing overhead	10 million \$
	Marketing and distribution	/80 million \$
	Miscellaneous customer-service costs	10 million \$
	Selling price Finished goods inventory calculated at the average unit cost	210 S t 39.2 million S
WIP. The beginning and ending fin  (1) The prime costs. (Answer: $CC = DM + TM$ $Q = X + S$	1 million units. There are no beginning inventories and there is ished-goods inventory is carried out at the average unit manufacture of the second of the s	DMat + DMa 105+40 = 145 M
that demonstration of plan	nt and equipment behaves as fixed cost. Calculate the total de- the manufacture of 1/5 million units. (Answer:	preciation costs assuming
p = 91		\$11.25 M
(3) Calculate the number of units in	the ending fipished goods inventory. (Answer:	-)
Total Harf =	2011 M 196 FG= 29.2	= 10000
Unit cest	\$ 196 unt what 198	Unit
(4) Calculate the operating income.		
GNO = R	000 *210 - 200 *10 P	
= 9	000 ×210 - 2000 1	16×800'00
	= HEM 1 11.2 Mil	lion
	/ / / / / / / / / / / / / / / / / / / /	COOK & SHOW



Q2	(5 pts) Please state whether each of the following statements is True/False. Please correct the false part:	
1.	Documented rent and lease costs in the merchandise sector are treated as direct and fixed manufacturing costs.	
2.	Distribution and sales costs in an industrial sector are treated as indirect costs. (-Percod)	
3.	A merchandising company has one inventoriable cost. (- True)	
4.	Administrative plant costs are treated as period costs. (	
	Depreciation on equipment used in a service industry is charged as a variable period cost of the	
6.	Period costs are all costs in the income statement other than (gross margin) (ast of goods sold)	
7.		
8.	Allocated design costs to serve sales are regarded as indirect period costs (True)	
9.	Fire insurance costs on factory buildings are considered direct and fixed costs. (-Indirect fixed	
Q pa as cu A 5 pu 1.	Shipping costs of services to customers are charged as merchandise costs. (-partied	+ de
3.	If the ABS manufacturer decides not to increase its production capacity, calculate the annual variable and fixed costs.  Fixed cost = 3,000 + 3,000x12 = 42,000/year = 39,000/year = 39,000/year = 450/product?	1
	CAC	

Q1 (9 pts) A metal manufacturing firm began production and sales operations on January 1, 2009. Costs (\$) incurred to produce 10,000 units in 2009. Variable manufacturing costs are variable with respect to units produced. Variable marketing, distribution, and customer-service costs are variable with respect to units sold. The beginning and ending finished goods inventories are carried out at the average unit manufacturing cost. There is no WIP beginning and ending inventory.

Description	Fixed (\$)	Variable (\$)
Purchases of raw material (orders)	11.104 (5)	
Discount on purchased material		155,000
Direct material used costs		10 %
Prime costs (direct mut + direct cost)		100,000
		150,000
Plant energy costs		+ 25,000
Depreciation, rent, and machines' indirect costs	10,000	
Indirect manufacturing labor costs	5,000	10,000
Marketing, distribution, and customer service costs	10,000	15,000
Finished-goods inventory (\$) January 1, 2009	10,000	
Finished-goods inventory (\$) December 31, 2009	25,000	
Gross Margin	15 % sales revenues	

$$x - 185,000 = 0.15x$$

$$x = 217,647$$

$$x = Rovenou$$

$$217,647 = $2252$$

4. Calculate the selling price. Ans: 
$$\frac{$23.52}{$200}$$
 # of units sold =  $\frac{$25.000}{20}$  =  $\frac{$25.000}{$25.12}$ 

5. Calculate the variable cost per unit sold. Ans:  $\frac{$25.12}{$15,000}$  =  $\frac{$25.12}{$15,000}$  =  $\frac{$25.12}{$100,000}$  =  $\frac{$25.12}$ 

6. Suppose that a future quantity of 20,000 will be produced. Calculate the average unit manufacturing cost. Assume that the implied cost-behavior patterns persist. Ans: - \$3.25,000

X

