

Mark Scheme (Results)

January 2012

International GCSE Accounting (4ACO) Paper 01



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Question	Answer			Mark
Number				
1(a)(i)	Toynton	Products		
	Manufacturing account for the	e year ended 31	December 2011 (1)	
		£	£	
	Opening inventory of raw materials	17 000		
	Purchases of raw materials	95 000		
		112 000		
	Closing inventory of raw materials	13 000		
			99 000 (2)	
	Factory wages (86 000 + 2 000)		88 000 (1)	
	Direct costs		<u>8 500</u> (1)	
	PRIME COST		195 500 (W+1 of)	
	Overheads:			
	Light, heat & power	6 000	(1)	
	Salaries	45 000	(1)	
	Rent & rates	12 000	(1)	
	General expenses	16 500	(1)	
	Depreciation on plant	<u>25 000</u>	(1)	
			<u>104 500</u>	
	PRODUCTION COST		<u>300 000</u> (W+1of)	
				(12)

Question	Answer		Mark
Number			
1(a)(ii)	Production cost	<u>£300 000</u> (1of) = £15 per chair (1of)	
	Units produced	20 000	(2)

Question	Answer				Mark
Number					-
1(b)(i)	Statement of comprehensive income (trac	ding and prof	fit and loss a	ccount) for	
	the year ended 31 D				
		£	£		
	Revenue (sales)		600 000	(1)	
	Opening inventory (stock) of finished good	s 28 000			
	Goods transferred from production	300 000		(1of)	
	Purchases of finished goods	80 000		(1)	
		408 000			
	Closing inventory (stock) of finished goods	33 000			
	Cost of sales		<u>375 000</u>	(1of)	
	Gross profit		225 000		
	Less				
	Light heat & power	1 500		(1)	
	Bank loan interest	6 000		(2)	
	Wages	22 500		(1)	
	Salaries	58 000		(1)	
	Marketing	78 000		(1)	
	Rent & rates	3 000		(1)	
	General expenses	15 600		(1)	
	Depreciation - office equipment	9 000		(1)	
	Increase in provision for doubtful debts	600		(1)	
			<u>194 200</u>		
	Profit for the year(Net profit)		<u>30 800</u>	(W +1of)	
					(15)

Question Number	Answer				Mark
	Statement of financial	nosition (ba	lance cheet) et (1 December 2011	
1(b)(ii)	Statement of financial		rance sneet) at a	_	
	Non ourrant (fixed) assets	£	Ĺ	£	
	Non-current (fixed) assets	Cast			
		Cost	Accumulated	NBV	
	Diarat	150.000	depreciation	75 000 (1 - 5)	
	Plant	150 000 -	75 000	75 000 (1of)	
	Office equipment	<u>60 000</u> -	<u>19 000</u>	<u>41 000</u> (1of)	
		<u>210 000</u>	<u>94 000</u>	116 000 (1)	
	Current assets				
	Inventory (stock)				
	Raw materials	13 000 (1)			
	Finished goods	<u>33 000</u> (1)	14 000		
	Trada raasiyahlas (dahtara)	40.000	46 000	(1)	
	Trade receivables (debtors)			(1)	
	Les PDD	<u>2 400</u>	45 (00	(1)	
			45 600	(4)	
	Bank		<u>10 500</u>	(1)	
			102 100		
	Less				
	Current liabilities				
	Trade payables(creditors)	36 500		(1)	
	Other payables: Accrued				
	factory wages	2 000		(1)	
	Loan interest	<u>6 000</u>		(1)	
			<u>44 500</u>		
	Net current assets (Working	capital)		57 600 (W +1of)	
	Less				
	Non-current liabilities				
	6% Bank Ioan (Repayable 31)	.12.2015)		(<u>100 000)</u> (1)	
				73 600	
	Capital		70 000		
	Profit for the year(Net profi	t)	<u>30 800</u>	(1of)	
		,	100 800	()	
	Drawings		27 200	(1)	
			_: _00	73 600	
					(15)

Question	Answer	Mark
Number		
1(c)	Valid points may include: Points in favour of Toyndon Products accepting the overseas manufacturer's offer Possible higher level of profit Space and production resources can be released for other projects Toyndon Products could then concentrate on selling the product No manufacturing staff to manage Cash raised from sale of assets	
	 Points against Toyndon Products accepting the overseas manufacturer's offer Saving is only marginal and therefore could soon disappear with price rises Loss of control of quality and supply of product Social accounting considerations, loss of jobs, impact on the community Difficulties of guaranteeing prices with exchange rates Possible difficulty in disposing of assets 	
	2 marks per valid point. MAX two points in favour (2 x 2 marks) and two against (2 x 2 marks).	(8)
Question	Answer	Mar

Question	Answer	Mark
Number		
2(a)	Error of reversal - The accounts and the sum are correct, but the debiting and crediting has been reversed. Only two accounts are involved. 2 marks Error of compensation - There are two separate and unrelated errors in the books. At least one of the sums debited and credited are incorrect in both transactions, but the two errors arithmetically cancel each other out.2 marks	(4)

Question	Answer			Mark
Number				
2(b)		Journal		
		Dr	Cr	
		£	£	
	(i)Motor vehicle	5 000	(1)	
	Bank	5 000	(1)	
	Capital		10 000 (1)	
	(i) Suspense	1 300	(1)	
	Discount allowed		650 (1)	
	Discount received		650 (1)	
	(ii) Drawings	3 000	(1)	
	_	5 000		
	Wages		3 000 (1)	
	(iii) Suspense	1 750	(1)	
	Nahir		1750 (1)	
	(iv) General expenses	270	(1)	
	Suspense		270 (1)	
	Casponso		2,0(1)	
	(v) Disposal	12 000	(1)	
	Motor vehicle		12 000 (1)	
	Provision for depreciation	5 250	(1)	
	Disposal		5 250 (1)	
	Bank	4 900	(1)	
	Disposal		4 900 (1)	(18)
				(10)

Question	Answer			Mark
Number				
2(c)	Trial balance at 30 November 2011.			
		£	£	
		Dr	Cr	
	Capital (25 000 + 10000)		35 000 (1)	
	Drawings (4 500 +3 000)	7 500	(1)	
	Revenue (sales)		101 600	
	Purchases	46 500		
	Purchase returns		3 250 (1)	
	Sales returns	6 800	(1)	
	Discount allowed (6 500- 650)	5 850	(1)	
	Discount received (4 000 +650)		4 650 (1)	
	Wages (27 500 - 3 000)	24 500	(1)	
	General expenses (9 400 +270)	9 670	(1)	
	Bank (14 000 + 5 000(1) +4 900(1))	23 900		
	Trade receivables (debtors) (9 800 -1 7	750) 8 050	(1)	
	Trade payables (creditors)		13 870 (1)	
	Motor vehicles40 000 +5 000- 12 000)	33 000	(1)	
	Motor vehicles - PFD (14 500 -5 250)		9 250 (1)	
	Disposal account	1 850	(2)	
		167 620	167 620	
				(16)

Question	Answer	Mark
Number		
2(d)		
	Motor vehicle account	
	££	
	Balance b/d 40 000 Disposal 12 000	
	Capital 5 000(1) Balance c/d 33 000 (1)	
	45 000 45 000	
	Balance b/d 33 000	
	Disposal account	
	££	
	Motor vehicle 12 000(1)Provision for deprec 5 250 (1)	
	Bank 4 900 (1)	
	Balance / P&L/Loss <u>1 850</u> (1)	
	<u>12 000</u> <u>12 000</u>	(6)

Question Number	Answer	Mark
2(e)	 Valid points may include: Points in favour It is 'prima facie' evidence that the double entry is correct. The existence of errors can be identified and action taken. Forms the basis of preparing the financial statements. Proves arithmetical accuracy 	
	 Points against Some errors will not be revealed by the trial balance e.g errors of omission. The trial balance will not identify the location of the errors. 	
	2 marks per valid point. MAX two points in favour (2 x 2 marks) and two against (2 x 2 marks).	(8)

Question	Answer	Mark
Number		
3(a)	A semi-fixed cost has both a fixed and a variable element in it which partly increases with the level of output (2) An example would be telephone costs (2)	(4)

Question	Answer	Mark
Number		
3(b)	Allocation occurs when a cost can be directly attributed to a specific	
	department (2)	
	Apportionment occurs when a cost cannot be directly attributed to a single	
	department but the cost is apportioned on a reasonable basis. E.g floor area.	
	(2)	(4)

Question Number	Answer					Mark
3(c)	M	achining	Assembly	Administration	Maintenance	
		£	£	£	£	
	40	000 (50 000	15 000	10 000 (2)	
	6	000	6 000	(15 000)	3 000 (2)	
	7	800	3 250	1950	(13 000) (2)	
		780	780	(1950)	390 (2of)	
		234	97	59	(390) (2of)	
	30)	29	(59)	(2of)	
	54	1 844	60156		(2of)	
	Allow reasonable	e rounding				
		-				(4)

Question Number	Answer	Mark
3(d)(i)	£ <u>54 84</u> 4 (1of) £ <u>60156</u> (1of) 6 000 hrs(1) 8 000 hrs (1) £9.14 (1of) £7.52 (1of) Per hour Per hour	(6)

Question	Answer	Mark
Number		
3(d)(ii)	Machining Assembly	
	£ £	
	Budgeted overhead 6 600 x £9.14 = £60 324(1of) 7 250 x £7.52 =£54 520 (1of)	
	Actual overhead <u>£42 500</u> (1) <u>£68 250(1)</u>	
	£17 824 (1of) £13 730 (1of)	
	over absorbed (1of) under absorbed (1of	
	Total for the business £4 094 under absorbed (2of)	(10)

Question Number	Answer				Mark
3(e)	Overhead:	Machining Assembly	12hours x £9.14 per hour = 25 hours x £7.52 per hour =	£109.68 (2of) <u>£188.00</u> (2of) £297.68 (2of)	(6)

Question Number	Answer	Mark
3(f)	 Valid points may include: Points in favour Enables accurate calculations for quotations. Avoids cross subsidy of one department to another. Points against More complex to work out as costs must to be divided to all 	
	 departments. Some cost apportionments may be arbitrary therefore the accuracy of the rates is in question. 2 marks per valid point. MAX two points in favour (2 x 2 marks) and two against (2 x 2 marks). 	(8)

Question Number	Answer	Mark
4(a)(i)	Dhanisha	
	Cash book (bank columns)	
	£	
	Balance 3 500(1)Trade payables 34 250 (1)	
	Revenue (sales) 71 000(1)Rent 10 500 (1)	
	Telephone etc 6 800	
	General expenses 2 750 (1)	
	Non-current (fixed) assets 24 000 (1)	
	Balance c/d <u>16 300(1)</u> Drawings <u>12 500</u>	
	<u>90 800</u> <u>90 800</u>	
	Balance b/d 16 300 (1of)	
		(8)

Question	Answer			Mark
Number				
4(a)(ii)	Dhanisha			
	Statement of comprehensive income (profit a	and loss accoun	t) for the year	
	ended 31 December	2011.		
		£	£	
	Revenue (sales)		96 000 (1)	
	Less returns		<u>6 000</u> (1)	
			90 000 (1)	
	Opening inventory (stock)	7 500		
	Purchases	<u>48 000</u>		
		55 500		
	Closing inventory (stock)	5 000		
	Cost of sales		<u>50 500</u> (1)	
	Gross profit		39 500	
	Rent	7 000 (1)		
	Telephone	6 800(1)		
	General expenses (2 750 + 750)	3 500 (1)		
	Depreciation on non-current (fixed) assets	<u>3 600</u> (1)		
			<u>20 900</u>	
	Profit for the year (net profit)		<u>18 600 (2)</u>	
			(1of)	(10)

Question	Answer					Mark
Number						
4(a)(iii)	Statement of financial position	n (balance	e sheet) at 31 De	ecember 2	2011	
		£	£	£		
	Non-current (fixed) assets					
		Cost	Aggregate	NBV		
			depreciation			
	Sundry	28 000	- 3 600	=24 400	(1)	
	Current assets					
	Inventory (stock)		5 000		(1)	
	Trade receivables (debtors)		19 000		(1)	
	Other receivables		3 500		(1)	
			27 500			
	Current liabilities					
	Trade payables (13750 (1) + 4 000 ((1))	17 750			
	Other payables		750		(1)	
	Bank overdraft		<u>16 300</u>			
			34 800			
	Net current assets/Working capital			<u>(7 300</u>)	(W+1of)	
				<u>17 100</u>		
	Capital		11 000			
	Profit for the year (net profit)		<u>18 600</u> (10	f)		
			29 600			
	Drawings		<u>12 500 (1</u>)		
	-			17 100		(10)

Question	Answer	Mark
Number		
4(b)	Valid points may include:	
	Points in favour of maintaining a full set of records	
	 Easy reference to individual records 	
	Accuracy of records	
	 Can prepare financial statements at regular intervals 	
	 Easier to comply with tax and other governmental authorities requirements. 	
	 May be required by an investor or obtaining loans from the bank 	
	Points against maintaining a full set of records	
	Cost of employing a book-keeper	
	Additional time requirement.	
	2 marks per valid point. MAX one point in favour (2 marks) and one against (2 marks).	(4)

Question Number	Answer	Mark
5(a)	 Valid answers may include: Each order is unique Made to customers' requirements Often used on large projects 2 points x 2 marks 	(4)

Question Number	Answer			Mark
5(b)	Earnings Overheads Total Divided by Equals	£ 20 000 <u>10 000</u> 30 000 <u>1 500</u> £20 per hour	(2) (2) (2) (2of) If no alien items in calculation	(8)

Question Number	Answer			Mark
5(c)	Labour and overheads 20 hours x £20 per hour= Raw materials Mark up 20% Quotation price	£ 400 <u>250</u> 650 <u>130</u> 780	(2of) (2) (2of) (2of)	(8)

Question	Answer	Mark
Number		
5(d)	Valid answers may include;	
	Preparing accounts	
	Ordering materials	
	 Preparing quotations for customers 	
	Travelling to jobs	
	Holidays	
	Illness	
	4 points x 2 marks	(8)

Question Number	Answer	Mark
5(e)	 Valid points may include: Points in favour Reasonably accurate calculation which will provide swift quotations. Customer knows exactly what he is paying for. 	
	 Points against Only valid if the percentage activity on customers work remains constant. 	
	2 marks per valid point. MAX one point in favour (2 marks) and one against (2 marks).	(4)

Question Number	Answe	Pr	Mark
6(a)	(i)	Percentage gross profit to revenue (sales)	
	(ii)	$\frac{240 \times 100}{800} (1) = 30\% (1)$ Inventory (stock) turnover $\frac{560}{(30 + 40)/2(1)} = 16 \text{ times (1)}$	(6)

Question Number	Answer	Mark
6(b)	(i)The gross profit to revenue (sales) is falling/deteriorating/worsening (1) and the inventory (stock) turnover is rising/improving/getting better (1)	
	 Prices have been reduced. The gross profit to revenue (sales) has been reduced to increase sales. Poorer quality goods are being purchased. 	
	2 points x (2)	(4)

Question Number	Answe	er	Mark
6(c)	(i)	Current ratio	
		40 +50 (1) = 0.75:1 (1)	
		100+20 (1)	
	(ii)	Liquid (acid test) ratio	
		<u>50 (1)</u> =0.42:1 (1)	
		100+20 (1)	
	(iii)	Trade payables (creditors) payment period	
		$\frac{100 \times 365 (1)}{570 (1)} = 64.03 \text{ days (1)}$	
	(iv)	Trade receivables (debtors) collection period.	
		50×365 (1) = 22.81 days (1)	(12)
		800 (1)	l`´´

Question	Answer	Mark
Number		
6(d)	Trade payables (creditors) payment period is increasing, which may (or may	
	not) benefit the business (1). Trade receivables (debtors) collection period is	
	decreasing which will benefit the business (1).	(2)

Question Number	Answer	Mark
6(e)	 Costas appears to be 'overtrading'. His capital and long term liabilities have not increased over the three year period to support the increased level of activity. He should obtain long term capital in the form of a bank loan(2) Introduce more capital into his business. (2) Sell non-current (fixed) assets (2) Mortgage or leaseback assets (2) 2 points x 2 marks 	(4)

Question	Answer	Mark
Number		
6(f)	Valid points may include:	
	Points in favour	
	• He has achieved his objective of doubling revenue (sales) over three	
	years.	
	 Points against He has placed his business in jeopardy because he has not appropriately funded the expansion with long term funds. 	
	2 marks per valid point. MAX one point in favour (2 marks) and one against (2 marks).	(4)

Question Number	Answer	Mark
7(a)		
	Purchases ledger control account f f Purchase returns1 980(1) Balance b/d12 500 (1)Payments to suppliers 50 500(2) Credit purchases52 800 (2)Discount received3 250 (2)Balance c/d9 570 (1) $65 300$ $65 300$ Balance b/d9 570 (1of)	(10)

Question Number	Answer			Mark
7(b)	Total purchases:	credit £52 800(1of) + cash	£16 600 = £69 400 (1of)	(2)

Question	Answer			Mark
Number				
7(c)	Statement of comprehensive incon	ne (trading a	account) for the month of	
	October 2011			
		£	£	
	Revenue (sales)		92 000 (1)	
	Sales returns		<u>2 000</u> (1)	
			90 000 (1)	
	Opening inventory (stock)	17 200	(1)	
	Purchases	69 400	(2of)	
		86 400		
	Closing inventory (stock)	14 600	(2of)	
	Cost of sales		72 000 (2)	
	Gross profit		<u>18 000</u> (2)	
			90 000	(12)

Question	Answer	Mark
Number		
7(d)	Inventory (stock) stolen £14 600 (1of) - £7 850(1) = £6 750 (2of)	(4)

Question Number	Answer	Mark
7(e)	Valid points may include:	
	Points in favour	
	 Act as a check on ledger balances. 	
	Detect theft or fraud	
	Show errors that the accounts might have	
	Points against	
	 Will 'narrow' errors to areas of the ledger but will not find errors. 	
	 Does not show errors not affecting the trial balance 	
	2 marks per valid point. MAX one point in favour (2 marks) and one against (2 marks).	(4)

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