UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE Advanced Subsidiary Level and GCE Advanced Level

MARK SCHEME for the May/June 2011 question paper

for the guidance of teachers

9706 ACCOUNTING

9706/23 Paper 2 (Structured Questions – Core), maximum raw mark 90

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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1 (a)

	$		$	
Net profit			80 000	**1**
LESS				
1 Inventory	7 000	**2**		
2 Interest	8 000	**1**		
3 Depreciation	27 000	**1**		
4 Repairs	10 000	**1**		
5 Bad debts	3 600	**1**	55 600	
			24 400	
ADD				
4 Depreciation			1 000	**2**
CORRECTED NET PROFIT			25 400	[9]

(b) Corrected balance sheet at 30 April 2011

	$		$	$	
Non-current assets					
Buildings at valuation				300 000	
Equipment (54000 – 27000)				513 000	**1**
Motor vehicles (330000 – 10000 + 1000)				321 000	**2**
				1 134 000	
Current Assets					
Inventory (70000 – 7000)	63 000	**1**			
Trade receivables (19000 – 3600)	15 400	**1**			
Other receivables	2 000				
Cash and cash equivalents	4 000		84 400		
Current liabilities					
Trade payables	57 000				
Other payables (3000 + 8000)	11 000	**1**	68 000		
Net current assets				16 400	
				1 150 400	
Non-current liabilities					
Loan				200 000	
Net assets				950 400	
Financed by:					
Capital at start				1 000 000	
Add Profit for the year (Net profit)				25 400	**1 (OF)**
				1 025 400	
Less drawings				75 000	
Capital at end				950 400	[7]

(c) **(i)** The cost comprises the cost of purchase plus other costs incurred in bringing the inventory to its present location and condition.
Net realisable value is the estimated selling price less estimated selling costs

(ii) Inventory should never be valued at more than cost.
Valuing stock at cost observes the principles of realisation, matching and prudence.

Any 2 relevant points for 2 marks each [4]

(d) **(i)** Current ratio = 84 400: 68 000 1.24:1 **2(OF)**

(ii) Liquid ratio (acid test) = 21 400 : 68 000 0.31:1 **2(OF)** [4]

(e) Injection of cash/additional capital
Long term loan
Sales of **surplus** non-current assets
Reduction in drawings
Factor debt
Effective inventory management to reduce damage to inventory

Any four suitable points for 1 mark each [4]

(f) Inventory is regarded as the least liquid asset
A buyer has to be found
Some goods may prove to be unsaleable
The quick ratio shows if the business would have any surplus liquid funds if all the current liabilities were paid immediately

Any two suitable points 1 mark each [2]

[Total: 30]

2 **(a)** Income statement for the year ended 30 April 2011

	$		$		
Revenue			240 000		
LESS					
Inventory (1/5/2010)	17 000	**3**			
Purchases	<u>148 000</u>	**1**			
	165 000				
Inventory (30/4/2011)	<u>9 000</u>		<u>156 000</u>		
Gross profit			84 000	**2**	
Expenses			<u>36 000</u>	**1**	
Net profit			48 000		[7]

(b) Appropriation account for the year ended 30 April 2011

	$		$		
Net profit			48 000		
Add interest on drawings					
Robbie (18 000 × 8%)	1 440	**2**			
Liza (12 000 × 8%)	960	**2**	2 400		
			50 400		
Less interest on capital					
Robbie (90 000 × 5%)	4 500	**1**			
Liza (60 000 × 5%)	3 000	**1**			
			(7 500)		
			42 900		
Less Salary – Liza			(15 000)	**1**	
			27 900		
Share of profit					
Robbie (3/5 × $27 900)	16 740	**1(OF)**			
Liza (2/5 × $27 900)	11 160	**1(OF)**			
			27 900		[9]

(c) **(i)** Cash book

	$			$	
Balance	12 000	**1**	Bank charges	250	**1**
			Dishonoured cheque	600	**1**
			Corrected CB balance	11 150	**1**
	12 000			12 000	

(ii) Bank reconciliation statement at 30 April 2011

	$	
Bank statement balance	9 000	**1**
Less cheques not yet presented	(1 600)	**1**
Add cheques lodged not yet credited	3 750	**1**
Cash book balance	11 150	**1**

OR REVERSED (CB bal 1 150 – 3 750 + 1 600 = 9 000) [8]

(d) Two marks for valid explanation to a maximum of 6 marks

Standard practice to enter the following in the cash book after receipt of the bank statement:
- Direct debits
- Standing orders
- Bank charges
- Interest on overdrafts
- Cheques dishonoured

Timing differences
- Money lodged with the bank near the end of the month
- Cheques paid but not yet presented for payment
- Cheques received but not yet credited by the bank
- Errors in recording by the bank and/or the business [6]

[Total: 30]

3	**(a)**	**(i)**	(400 hours × 6) × 80% =	1,920 cars	**2**	
		(ii)	$(1.00 + 0.50 + 0.05 + 1.25) = $2.80 × 1,920 cars =	$5 376	**2**	
		(iii)	(Variable costs 5376 + Fixed costs 3840) =	$9 216	**2**	
		(iv)	$9216 / 1920 cars =	$4.80 per car	**2**	
		(v)	Price per car = $(4.80 + 25%)	$6.00	**2**	
		(vi)	(6 × 1920) = 11 520 – 9216	$2 304	**2**	[12]
	(b)	**(i)**	SP – VC = $(6.00 – 2.80) = $3.20 per car wash		**2**	
		(ii)	BEP = $3840 / $3.20 = 1200 cars		**2**	
		(iii)	In dollars = (1920 – 1200) = 720 cars × $6 = $4320		**2OF**	
		(iv)	In cars = 1440 cars less 1200 cars = 240 × $6 = $1440		**2OF**	
		(v)	$(3.20 / 6.00) × 100 = 53.33%		**2OF**	[10]

(c) **(i)** BEP = FC/c = \$3240 / 2.40 = 1350 cars **2**
BEP in dollars = 1350 cars × \$6 = \$8100 **2** [4]

(ii) (400 hours × \$6) × 70% = $\frac{2400 \times 70}{100}$ = 1 680 cars **1**
Profit = Actual – Break-even
(1680 – 1350) = 330 × c
= 330 × \$2.40 = \$792 **1** **1** **1** [4]

ALTERNATIVE

		$
Sales		10 080
VC	6048	
FC	3240	9288
PROFIT		792

[Total: 30]