

**MARK SCHEME for the May/June 2011 question paper  
for the guidance of teachers**

**9706 ACCOUNTING**

**9706/42**

Paper 4 (Problem Solving (Supplement)),  
maximum raw mark 120

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.

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	<b>GCE A LEVEL – May/June 2011</b>	<b>9706</b>	<b>42</b>

<b>1 (a) (i)</b>		\$000	
	Increase in retained earnings (1 170 – 1 125)	45	1
	Dividend	<u>30</u>	1
	Profit for the year	75	1
<b>(ii)</b>	Profit for the year	75	<b>1of</b>
	Taxation	28	1
	Interest	<u>32</u>	1
	Profit from operations	135	<b>1of</b>

[7]

**(b) Statement of cash flows for the year ended 30 April 2011**

		\$000	\$000	
	<u>Operating activities</u>			
	Profit from operations	135	<b>1of</b>	
	Amortisation of patents	25	1	
	Depreciation (190 + 24)	214	2	
	Increase in inventory	(18)	1	
	Decrease in trade receivables	4	1	
	Increase in trade payables	7	1	
	Profit on disposal	(3)	1	
	Tax paid	(24)	1	
	Interest paid (32 + 14 – 4)	<u>(42)</u>	3	
	Net cash from operating activities	298	<b>1of</b>	
	<u>Cash flows from investing activities</u>		1	
	Proceeds of sale of non-current assets	20	1	
	Purchase of non-current assets	<u>(488)</u>	1	
		(468)		
	<u>Cash flows from financing activities</u>		1	
	Proceeds of debenture issue	300	1	
	Dividend paid	<u>(30)</u>	1	
		270		
	Net increase in cash and cash equivalents	100	<b>2cf or 1of</b>	
	Cash and cash equivalents at start of year	<u>(42)</u>	1	
	Cash and cash equivalents at end of year	<u>58</u>	1	

[25]

<b>(c)</b>	A rights issue is made to raise additional capital (for cash)	2	
	A bonus issue is funded from reserves	2	<b>[4]</b>

<b>(d) (i)</b>	Share premium	1	
	Revaluation reserve	1	
<b>(ii)</b>	To keep reserves in the most flexible/distributable form	2	
	<b>OR</b> To use capital reserves before revenue reserves	2	<b>[4]</b>

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2 (a)

Top Hat Sports Club  
Income and expenditure account  
for the year ended 31 December 2010 1

\$\$			
Annual subscriptions (265 × \$150)		39 750	1
life subscriptions (3 × \$80)		<u>240</u>	1
		39 990	
Cafe loss (4 440 – 8 000)	3 560		
	1 1		
Wages (both wages)	10 600		
Rent	12 000	}	1
General expenses	4 620		
Heat, light and power (8 240 + 910)	9 150		1
Depreciation (17200 + 5 300 – 19 500)	<u>3 000</u>		1
		<u>42 930</u>	
Deficit		<u>2 940</u>	1of

[9]

(b)

Balance sheet at 31 December 2010

<b>Non-current assets</b>			
Equipment		19 500	1
<b>Current assets</b>			
Inventory	800		1
Subscriptions	750		1
Bank	<u>3 780</u>		1
		5 330	
<b>Current liabilities</b>			
Cafe payables	760		1
Heat, light and power	910		1
Subscriptions	<u>150</u>		1
		<u>1 820</u>	
		<u>3 510</u>	
		<u>23 010</u>	
<b>Accumulated fund</b>			
At 1 January		21 390	6
Deficit		<u>(2 940)</u>	1of
At 31 December		18 450	
life members' fund (3 × \$1 600 – 240)		<u>4 560</u>	1of
		<u>23 010</u>	
21 390 = 4 320 + 420 + 450 + 17 200 – 700 – 300			
1of	1 1 1 1 1		

[15]

(c)

Not-for-profit organisation	Public limited company
Has balance sheet	Has statement of financial position
Shows accumulated fund	Shows share capital and reserves
Has income and expenditure account	Has income statement
Shows surplus or deficit	Shows profit or loss
Limited access to financial statements	General access to financial statements
Has receipts and payments account	Has statement of cash flow

2 for any pair

[max 6]

(d) Review of business	2
Principal activities	2
Changes in principal activities	2
Dividend recommended	2
Principal risks and uncertainties facing co	2
Position of company at year end	2
Transfers to reserves	2
Key performance indicators – EPS	2
– including environmental matters	2
and employee matters	2
Changes to board	2
Subsidiary undertakings	2
Directors' interests	2
Details of AGM	2
Statement of responsibilities	2
Directors' remuneration	2
Research and development	2
Donations	2
Corporate governance	2

[max 10]

- 3 (a) (i)  $180\,000 + (4 \times 4.5) = 10\,000$  units  
1 1of [2]
- (ii)  $150\,000 + (2.5 \times 10\,000) = \$6$  2of [2]
- (iii)  $50\,000 + (2.5 \times 10\,000) = \$2$  2of [2]
- (iv)  $35\,000 + 10\,000 = \$3.50$  2of [2]
- (v)  $\frac{15\,000 + \$10}{10\,000} \times 100 = 15\%$  1of [3]
- (b) (i)  $10\,000 - 1\,500 - 700 = 7\,800$  units  
1of 1 1 [3]

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(ii) Finished goods

Process 1	367 059	$(7\ 800/8\ 500) \times 400\ 000$		
		<b>1of</b>	<b>1</b>	
Direct materials	46 800	$7\ 800 \times (1.5 \times 4)$		
		<b>1</b>	<b>1</b>	
Direct labour	78 000	$7\ 800 \times (2 \times 5)$		
		<b>1</b>	<b>1</b>	
Variable overhead	39 000	$7\ 800 \times (2 \times 2.5)$		
		<b>1</b>	<b>1</b>	
Fixed overhead	15 600	$7\ 800 \times 2$		
		<b>1</b>	<b>1</b>	
	<u>546 459</u>	<b>1of</b>		<b>[11]</b>

(iii) Work in progress

Process 1	32 941	$(700/8\ 500) \times 400\ 000$		
		<b>1of</b>	<b>1</b>	
Direct materials	2 100	$700 \times (1.5 \times 4 \times 0.5)$		
		<b>1</b>	<b>1</b>	
Direct labour	5 250	$700 \times (2 \times 5 \times 0.75)$		
		<b>1</b>	<b>1</b>	
Variable overhead	2 625	$700 \times (2 \times 2.5 \times 0.75)$		
		<b>1</b>	<b>1</b>	
	<u>42 916</u>	<b>1of</b>		<b>[9]</b>

(c)

		Process 2		
\$				
Process 1	400 000	<b>1</b>	WIP	42 916
DM (46 800 + 2 100)	48 900	<b>1of</b>	Fin goods	546 456
DL (78 000 + 5 250)	83 250	<b>1of</b>		<b>1of</b>
VO (39 000 + 2 625)	41 625	<b>1of</b>		
FO	15 600	<b>1of</b>		
	<u>589 375</u>	<b>1of</b>		<u>589 375</u>
				<b>[6]</b>