

CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE Advanced Level

MARK SCHEME for the May/June 2014 series

9706 ACCOUNTING

9706/43

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

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Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

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1 (a)

Rezwan Limited
Calculation of net assets acquired on 1 October 2013

	Nimra \$	Adjust \$	Value \$	
Non-current assets				
Land and buildings	110 000	60 000	170 000	(1)
Plant and equipment	76 500	(8 500)	68 000	(1)
			238 000	
Current assets				
Inventory	21 000	(3 150)	17 850	(1)
Trade receivables	34 000	(3 400)	30 600	(1)
Cash and cash equivalents			0	
			48 450	
Current liabilities				
Trade payables	41 000		41 000	(1)
Net current assets			7 450	
Total assets			245 450	(1 of)

[6]

(b) Consideration = $5 \times \text{average profit}$
 $= 5 \times (58\,000 + 54\,000)/2$
 $= \$280\,000$ **(2)**

[2]

$$5 \times \frac{112\,000}{2} \text{ (1) } = 280\,000 \text{ (1 of)}$$

(c) Consideration in shares = $\$280\,000$ **(1 of)** – $\$100\,000$ **(1)**
 $= \$180\,000$

Number of shares at \$1.50 = $\frac{\$180\,000}{\$1.50}$ **(1)** = $120\,000$ **(1 of)**

[4]

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(d) Rezwan Limited

Statement of financial position at 1 October 2013

		\$	\$
Non-current assets			
Land and buildings	(120 000 + 170 000)		290 000 (1)
Plant and equipment	(60 000 + 68 000)		128 000 (1)
			<u>418 000</u>
Intangible asset			
Goodwill	(280 000 (1 of) – 245 450 (1 of))		34 550
			<u>452 550</u>
Current assets			
Inventory	(45 000 + 17 850)	62 850	(1)
Trade receivables	(24 000 + 30 600)	54 600	(1)
Cash and cash equivalents	(132 000 (1) – 100 000)	32 000	(1 of)
			<u>149 450</u>
Total assets			<u>602 000</u>
Equity			
Ordinary shares of \$1 each	(200 000 (1) + 120 000 (1 of))		320 000
Share premium	(20 000 (1) + 60 000 (1 of))		80 000
Retained earnings			110 000 (1)
			<u>510 000</u>
Current liabilities			
Trade payables	(51 000 + 41 000)		92 000 (1)
			<u>602 000</u>

[14]

(e) Rezwan Limited pays 14% in excess of the net book value (1 of)

Goodwill is \$280 000 – \$245 450 = \$34 550 (1 of)

Goodwill is included in Rezwan's statement of financial position after acquisition (1)

Rezwan is paying a substantial amount in excess of the statement of financial position value of the land and buildings (1)

Rezwan Limited is paying for the reputation (1) location (1) future profits (1) customer base (1)

one mark per valid point – [Max 6]

(f) Under IAS 38 (Intangible assets), Rezwan should identify the useful life of the goodwill (1) acquired from Nimra. Rezwan must then amortise the goodwill on the straight line basis (1) over this useful life and charge the annual amount to its Income Statement (1). The amortisation period should be reviewed annually and changes made in the amortisation in line with this review (1).

Under IAS 36 (Impairment of assets) each year Rezwan should also compare the carrying value of the goodwill (i.e. its net book value after amortisation) (1) with its recoverable amount (its value in use) (1) and if the carrying value exceeds the recoverable amount show the impairment loss (1) as an additional expense in its income statement (1).

[8]

[Total: 40]

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2 (a) Partners' capital Alc

	C	A	B		C	A	B
Goodwill	10 000 (1)	5 000 (1)	5 000 (1)	Bal b/d	64 000 (1)	96 000 (1)	45 000 (1)
Bal c/d	<u>66 000</u> <u>76 000</u>	<u>99 000</u> <u>104 000</u>	<u>48 000</u> <u>53 000</u>	Adjustment	4 800 (1)	3 200 (1)	
				Goodwill	<u>7 200 (1)</u> <u>76 000</u>	<u>4 800 (1)</u> <u>104 000</u>	<u>8 000 (1)</u> <u>53 000</u>
				Bal b/d	66 000	99 000	48 000
							(1) of row
							[12]

(b) New Business

Statement of financial position at 1 July 2012

		\$
Non-current assets		
Land and buildings	(120 000 + 30 000)	150 000 (1)
Plant and equipment	((35 000 – 7000) (1) + 12 000 (1))	<u>40 000 (2)</u>
		190 000
Net current assets	(25 000 – 5 000) (1) + 3000 (1)	<u>23 000 (2)</u>
Total assets less current liabilities		<u>213 000</u>
Capital accounts		
Clemens		66 000 (1 of)
August		99 000 (1 of)
Bleeker		<u>48 000 (1 of)</u>
		<u>213 000</u>

[8]

(c)

	Clemens \$	August \$	Bleeker \$	
Balances on capital accounts at 1.7.12	66 000	99 000	48 000	(1 of)
Profit for the year to 30.6.13	160 000	80 000	80 000	(1)
Drawings	<u>(138 000)</u>	<u>(47 000)</u>	<u>(68 000)</u>	(1)
Balances at 30.6.13	<u>88 000</u>	<u>132 000</u>	<u>60 000</u>	(3) of
				[6]

(d)

Number of shares issued	80 000 (2)	120 000 (2)	60 000 (1)	[5]
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(e) Statement of financial position at 1 July 2013

Equity	
Ordinary shares of \$1 each	200 000 (1 of)
Share premium account	20 000 (1 of)
Preference shares of \$1 each	<u>60 000 (1 of)</u>
	<u>280 000</u>

[3]

(f) Future profits will be distributed as dividends. (1)

The directors need to declare dividends out of distributable profits. (1)

Bleeker's dividend on preference shares will be a fixed amount (1) and will take priority over dividends on ordinary shares. (1)

Dividends on ordinary shares need not be for the full amount of the remaining distributable profits. (1)

If there are no profits C & A are unlikely to receive dividends. (1)

[6]

[Total: 40]

3 (a)	January	February	March
Sales in volume (units)	24 000 (1)	25 200 (1)	26 460 (1)
Sales revenue (\$60 per unit)	\$1 440 000 (1 of)	\$1 512 000 (1 of)	\$1 587 600 (1 of)
			[6]
February:	$24\,000 \times 1.05 = 25\,200$		
March:	$25\,200 \times 1.05 = 26\,460$		
April:	$26\,460 \times 1.05 = 27\,783$		

(b)	January	February	March
	Units	Units	Units
Sales	24 000	25 200	26 460
Closing inventory	8 400 (1 of)	8 820 (1 of)	9 261 (1 of)
Opening inventory	<u>(7 500) (1)</u>	<u>(8 400) (1 of)</u>	<u>(8 820) (1 of)</u>
Units to be produced	24 900 (1 of)	25 620 (1 of)	26 901 (1 of)
			[9]

Closing inventory:

January: $25\,200$ (February sales) $\times 1/3 = 8\,400$

February: $26\,460$ (March sales) $\times 1/3 = 8\,820$

March: $27\,783$ (April sales) $\times 1/3 = 9\,261$

April: $27\,783$ (May sales) $\times 1/3 = 9\,261$

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(c)

	January Units	February Units	March Units
Units to be produced	24 900	25 620	26 901
Raw materials required (10 kilos each)	249 000 (1 of)	256 200 (1 of)	269 010 (1 of)
Closing inventory	51 240 (1 of)	53 802 (1 of)	55 566 (1 of)
Opening inventory	<u>(48 000)</u> (1)	<u>(51 240)</u> (1 of)	<u>(53 802)</u> (1 of)
Purchases	<u>252 240</u> (1 of)	<u>258 762</u> (1 of)	<u>270 774</u> (1 of)
Purchases at cost (\$1.5 per unit)	378 360 (1 of)	388 143 (1 of)	406 161 (1 of)

Closing inventory (in units):

January: 256 200 (February requirement) × 20% = 51 240

February: 269 010 (March requirement) × 20% = 53 802

March: 277 830 (April requirement) × 20% = 55 566

[15]

(d)

Budgeted Income statement for three months ending 31 March 2015

	\$	\$
Sales revenue (\$1 440 000 + \$1 512 000 + \$1 587 600)		4 539 600 (1 of)
Cost of goods sold		
Opening inventory	242 000	
Cost of goods manufactured (working 1)	2 436 315	
Closing inventory	<u>298 000</u> (1) both	<u>2 380 315</u>
Gross profit		<u>2 159 285</u> (1 of)

Working 1

	\$
Opening inventory – raw materials (48 000 × \$1.5)	72 000 (1)
Purchases (\$378 360 + \$388 143 + \$406 161)	<u>1 172 664</u> (1 of)
	1 244 664
Closing inventory – raw materials (55 566 (1 of) × \$1.5)	<u>83 349</u> (1 of)
Cost of raw materials consumed	1 161 315
Direct labour	850 000 (1)
Manufacturing overhead	<u>425 000</u> (1)
Cost of goods manufactured	<u>2 436 315</u> (1 of)

[10]

[Total: 40]