

Mark Scheme (Results)

Summer 2012

GCE Accounting (6002) Paper 01

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General Marking Guidance

- All candidates must receive the same treatment.
 Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Question	Answer								Mark
Number									
1(a)	Q1a Mark Scheme Statement of Comprehensive				W1 Cost of Sales				
	Income for Colombo Fireworks plc for Y/e 31st				Direct Materials	447760 (68740	\checkmark		
	March 2012 $\sqrt{}$				Less Discount Received)			
		222476			Factory Depreciation	126000		_	
	Turnover	332176 5	√		Machinery Depreciation	168750	√	8 x √	
	Turnover		•		Hire of Plant and machinery	24300	v √	•	
	Cost of sales	103607 0		o/f	Factory staff	350000	√		
	Cost of sales	O	V	0/1	Stock Adjust Finished Goods	(12000	√ √		
		228569			20025	103607	•		
	Gross profit	5	\checkmark	o/f		0			
					W2 Distribution Costs				
	Other Income	75201	\checkmark	o/f	Commission on sales	147500	\checkmark		
		125090			Delivery charges	215670	\checkmark	7 x	
	Distribution cost	2	\checkmark	o/f	Marketing and advertising	37584	\checkmark	\checkmark	
					Rent on shop premises Sales staff travel and	52855	√		
	Administrative expenses	665902	\checkmark	o/f	entertng	32750	√		
					Shop staff wages	126000	√		
	Financial cost	47980	√	o/f	Warehousing	638543 125090 2	√		
	Profit on ordinary activities before tax	396112	√	o/f	W3Administrative Expenses	2			
	•				Bad Debts Written Off	9450			
	Corporation tax	110000	\checkmark		Discount allowed	96432	\checkmark		
					Computer depreciation Fees to debt collection	26600	\checkmark		
			,	16	agency	2000	\checkmark	_	
	Profit on ordinary activities after tax	286112	√c √C		Hire of photocopiers	7300	√	8 x √	
	Trone on ordinary activities after tax	200112	•	_	Insurance	11120	v √	•	
					Administration staff wages	289000	√		
		12 x					,		
		√			Accountancy staff wages	224000	√		
						665902			
					W4 Other Income				
					Dividends received	32810	\checkmark		(40)
					Interest on bank balance	4651	\checkmark		(40)
					Don't received	27740	- /	3 _, x	
					Rent received	37740	V	v	
						75201			
					W5 Financial cost				
	TOTAL 40 marks				Interest on overdraft	2980	\checkmark	_	
					Interest on bank loan	45000	٦/	2 x √	
	Discount Allowed also accepted in				Interest on bally loan	47980	√ √	٧	
	Distribution Costs					1,700	٧		
	2.53.1543.011 0000								

Question Number	Answer	Mark
1(b)	Answers may include:	
	The fireworks activities should be shown as Continued Operations $$ in the accounts next year. All revenues and expenses relating to these should be shown separately. $$	
	For usefulness This will benefit users of accounts because they can see that profits or losses from the Discontinued Operations will not be expected to be realised in the future $\sqrt{\ }$ This allows reader to predict more accurately future expected performance. $\sqrt{\ }$ This may help future potential investors / shareholders / creditors $\sqrt{\ }$ etc with decision making. Eg buy more shares/allow credit $\sqrt{\ }$ Should be beneficial if required to be shown $\sqrt{\ }$ by FRS3 / IFRS 5 $\sqrt{\ }$	
	Against usefulness Adds more figures and details to the accounts $\sqrt{\ }$ so makes them more difficult to understand. $\sqrt{\ }$ especially for those with little accounting knowledge. $\sqrt{\ }$ Takes time to add extra detail $\sqrt{\ }$ and therefore this means extra expense $\sqrt{\ }$	
	Maximum for arguing only one side $8 \times \sqrt{} = 4$ marks Evaluation Should conclude that it is beneficial to show Discontinued Activities. $\sqrt[4]{\sqrt{}}$	(12)

Question Number	Answer	Mark
2(a)	(i) Kilograms of clay per tile = $\frac{341\ 120}{83\ 200} \sqrt{} = 4.1$ kilos $\sqrt{}$	
	(ii) Cost per kilogram of clay = $£17.056 $ = 0.05 pence per kilo $$	
	341 120 √	
	(iii) Standard time to produce budgeted output = $83\ 200\ \sqrt{=2}$ 080 hours $\sqrt{=2}$	
	40 √	(12)
	(iv) Actual wage rate per hour = $£12792 = £6.00$ per hour	()
	2 132 √	

Question Number	Answer	Mark
2(b)(i)	Material Usage Variance = (Actual Usage - Standard Usage) x Standard Price $\sqrt{}$	
	= (4.1 o/f - 4.0) x 83 200 √ x 0.06	
	= £499.20 o/f Adverse √	
	Materials Price Variance = (Actual Price - Standard Price) x Actual Usage $\sqrt{}$	
	= $(0.05 \text{ o/f} - 0.06) \sqrt{\times 341 120}$	
	= £3 411.20 o/f Favourable $\sqrt{}$	
	Material Cost Variance = (Actual Usage \times Actual Price) - (Standard Usage \times Standard Price) $\sqrt{}$	(12)
	= $(341\ 120\ \times 0.05\ \text{o/f})\ \sqrt{\ }$ - $(332\ 800\ \times 0.06)\ \sqrt{\ }$	
	= £17 056 - £19 968 = £2 912 o/f Favourable $\sqrt{}$	

Question Number	Answer	Mark
2(b)(ii)	Labour Efficiency Variance = (Actual Hours - Standard Hours) x Standard Rate $\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	
	= £304.20 o/f Adverse $\sqrt{}$	
	Labour Rate Variance = (Actual Rate - Standard Rate) \times Actual Hours $\sqrt{}$	
	= $(£6.00 \text{ o/f} - £5.85) \sqrt{\times 2132} \sqrt{\times 2132}$	
	= $(£0.15 \times 2 \ 132)$ = £319.80 o/f Adverse $$	
	Total Labour Variance = (Actual Hours x Actual Rate) - (Standard Hours x Standard Rate) $\sqrt{}$	(12)
	= $(2\ 132\ \times\ £6.000/f)\ \sqrt{\ -\ (2\ 080\ \times\ £5.85)}$	(12)
	$= £12 792 - £12 168 = £624 o/f$ Adverse $\sqrt{}$	

Question Number	Answer		Mark
2(c)	Sales (83 200 x 0.75) =	£62 400 √	
	Material cost	£17 056	
	Labour cost	£12 792	
	Fixed cost	£12 500 (√ all 3)	
	Total cost	£42 348	
	Profit for month	£20 052 √o/f√C	(4)

Question Number	Answer	Mark
2(d)	Evaluation Answers may include:	
	For statement If this is a cost variance √ then expenditure has been more than expected √ If budget is realistic, this is bad √ and may be caused by: Workers not working as hard as they could √ Workers being paid more than a market rate wage √ Inefficient machinery √ Materials being wasted √ Paying more than the market rate for materials √ If this is a sales variance, √ then revenue is less than expected √ This could be caused by: Sales volume being less than expected √ Sales price being less than expected √	
	Against statement Budget set may be unrealistic √ and actually the business has performed well. √ There may be a positive aspect to the adverse variance eg: Material prices have risen on the world market, √ but our buyers are still getting a comparatively good price √ Adverse variances may be due to production being greater than expected √ which is good for the business √ Maximum of 8 marks for one side of argument. Conclusion Statement is (correct)/not correct √√	(12)

Question Number	Answer			Mark
3(a)		<u>Created by</u>	<u>Used for / Utilised</u> <u>examples</u>	
	(i) Retained earnings	Trading profits built up over past and present years	Dividends paid to ordinary shareholders	
	(ii) General reserve	Transfer from Retained earnings/ profits	Any, perhaps unspecified, use. Issue bonus shares Transfer back to Retained earnings	
	(iii) Share premium reserve	Issue of ordinary shares above their nominal value	Write off preliminary expenses on formation of company or a share issue. Pay premium on redemption of shares or debentures Issue Bonus Shares	
	(iv) Capital redemption reserve	Transfer from revenue reserves √ when shares are redeemed. √	Acts as creditors buffer.	
	(v) Revaluation reserve	Upward revaluation of non-current asset.	When asset is sold √ transferred to Income statement/ retained earnings. √	(12)
	One √ per box for o	ne example, except whe	re shown otherwise.	

Question	Answer						Mark
Number		Oudin	ry Cha-	o Canita	I Account		
3(b)		<u>Oraina</u>	Ty Shar	e Capita Apr 1	Account Balance b/d	250√	
				June	Application &	25√	
				16	Allotment	25 V	
				July	Application &	15√	
				31	Allotment	,	
	Mar31	Balance c/d	300	Oct 1	First & Final	10 √	
					Call		
			<u>300</u>			300	
				Apr 1	Balance b/d	300	
					/		
					+ √ if b	palanced off	
		C	correctly			5	
		Ch	are Dres	mium Ac	count		
		<u>311</u>	uie riei	Apr	Balance b/d	50√	
				1	Dalarice b/ u	50 v	
	Mar31	Balance c/d	60	Oct	First & final	10 √	
		,		_ 1	call		
			_60			<u>60</u>	
				Apr	Balance b/d	60	
				1			
					/ 151		
			co wwo ob	l. ,	+ √ if b	palanced off	
			correct	ıy		3	
		Applicat	ion and	Allotme	nt Account		
	June	Ordinary	25√		Bank	32 √	
	16	Share Capital		16			
	June	Bank	2√	July	Bank	10	
	26			31		√ +	
	<u> </u>		/			√ for fig	
	July	Ordinary	15 √				
	31	Share Capital	+ <u>√ f</u> or				
			fig				
			42			42	
			12				
		L	I.	1	+ √ if b	palanced off	(20)
			corr	ectly	,	8	(20)
		<u>First</u>		<u>nal Ćall A</u>	<u>ccount</u>		
	1 1	Ordinary Share	10γ		Bank	20√	
		Capital		31			
	_	Share Premium	10	√			
	1		20			120	
			<u>20</u>	+	$\sqrt{}$ if balanced (off correctly	
				Т	y ii balanceu (4	
	I					<u> </u>	1

Question Number	Answer		Mark
3(c)	Gearing ratio =	Prior charge capital $\sqrt{\times} 100$ Capital employed $\sqrt{\cdot}$	
		$= \frac{75 \sqrt{+150} \sqrt{+175} }{568 + 325 } \times 100$	
		= $400 \times 100 = 44.79\% \sqrt{\text{o/f}} \sqrt{\text{C}}$	(8)
		Other formulas are acceptable	

Question Number	Answer	Mark
3(d)	Answers may include	
	 Case for Ordinary shares / Case Against Debentures Shareholders do not have to be paid dividends, √ useful when short of funds / making a loss. √ Dividends could be variable √ interest on debentures must be paid √ No "outside" parties having any influence on running of company √ eg place on Board √ No interest has to be paid, √ so profits of company higher. √ No assets offered as security, √ so no claims on assets by debenture holders, if debenture not repaid, or company fails. √ Reduces gearing ratio √ and therefore risk √ Debenture results in higher gearing √which increases risk to company√ Very important here as if debenture used, gearing goes above 50% √ at 51.5% √√ 	
	 Case for Debentures / Case Against Ordinary Shares Interest is allowable for tax, √ so company may be able to retain more funds than if paying dividends. √ Debenture issuer may bring expertise and experience to company, √ and maybe Board. √ No possible dilution of ownership for existing shareholders √ which means earnings per a share will fall √ May be quicker to issue than ordinary shares √ Costs of arranging debenture may be lower √eg no prospectus to issue√ Maximum of 8 marks for arguing one side Conclusion Should relate to above points made. E.g. Ordinary shares are a preferable source of finance. √√ 	(12)

Question Number	Answer						Mark
4(a)							
	Outflow						
	Salaries	100000	420000		520000 √		
	Running	800000	260000		540000 √√		
					1060000 √		
	<u>Income</u>						
		Prizes	Sponsors	TV	Total		
	1	600000	400000	250000	1250000 √		
	2	850000	400000	250000	1500000 √		
	3	1100000	400000	300000	1800000 √		
	4	900000	400000	300000	1600000 √		
					Discount	Discounted	
	Year	Income	Outflow	Net Cash Flow	Factor	NCF	
	0		-1500000		1	-1500000 √√	
	1	1250000	1060000	190000	0.917	174230 √ o/f	
	2	1500000	1060000	440000	0.842	370480 √o/f	
	3	1800000		740000	0.772	571280 √ o/f	
	4	1600000	1060000	540000	0.708	382320 √ o/f	
						-1690 √ o/f	
					NPV	√ C	(16)

Question	Answer	Mark
Number		
4(b)(i)	The Internal rate of return for the project is very close to 9% $\sqrt{}$	(2)

Question	Answer	Mark
Number		
4(b)(ii)	The IRR is 9% because the NPV is very close to zero. $\sqrt{\checkmark}$ If the NPV were a large positive figure, $$ then the IRR is greater than 9% $$ If the NPV were a large negative figure, $$ then the IRR is less than 9% $$	(6)

Question	Answer	Mark
Number 4(c)	Answers may include:	
	Case For IRR An accurate return can be calculated. √ Takes account of falling value of money over time. √ Can be compared to target value of business √ to decide whether to invest in project.√ Can be calculated fairly easily by computer. √	
	Case against IRR Calculation of IRR involves use of complicated formula $$ requiring numerical skill $$ Or calculation may involve much "trial and error" to arrive at the IRR. $$ May need a computer $$ and computing skills to calculate IRR. $$ Maximum of 4 $$'s for arguing one side only. Conclusion IRR is a good / not a good method of project appraisal. $$	(8)

Question Number	Answer						Mark
5(a)							
	Calculation of						
	Goodwill						
		12 800		Purchase	18 590		
	Property	000		Price	000		
		1 000		Value of Net	11		
	Plant	000		Assets	528 590	√ o/f	
		1 250	$\sqrt{}$		7 061	√ o/f	
	Equipment	000	(3)	Goodwill	410	√ C	
		115					
	Inventories	000					
	Trade Receivables	9 900	(2)				(0)
		- 2 500					(8)
	Bank Loan	000					
	Loan repayable in	-1 000					
	12 months	000					
		-146	$\sqrt{}$				
	Trade Payables	310	(3)				
	Value of Net assets	11 528	$\sqrt{}$				
	acquired	590	o/f				

Question Number	Answer	Mark
5(b)	Amount received per share $= £18 590 000 = £1.69p$ per share $$	
	11 000 000	
	Cash received per share = £1.69 - (£1 + 60p premium) = £0.09 per share $$	
	$\underline{£639} = 7\ 100 \text{ shares } \sqrt{\text{o/f}} \sqrt{\text{C}}$ $£0.09$	(4)

Question Number	Answer						
5(c)		ial Positio	n of P	anoramic Cinemas Limited			
	as at April 1 st 2012						
	Assets			£			
	Non-current Assets						
	Property, plant and equipment	136 050 000	√				
	Intangible assets (2000000 $\sqrt{+}$ 7061410 o/f $\sqrt{-}$)	9 061 410	√√ o/f				
				145 111 410			
	Current Assets						
	Inventories	771 000					
	Trade Receivables	83 900	√ (2)				
	Cash	790 000	$\sqrt{}$	1.644			
				1 644 900			
	Total Assets			146 756 310			
	Equity and Liabilities						
	Equity						
	Ordinary Shares of £1 each	91 000 000	√				
	Share Premium	26 600 000	√				
	Retained earnings	20 342 660	√				
				137 942 660			
	Non-current liabilities				(12)		
	Bank Loan	7 500 000			(12)		
				7 500 000			
	<u>Current Liabilities</u>						
	Loans Repayable within 12 months	1 000 000	√ (2)				
	Trade Payables	313 650	√				
				1 313 650			
	Total Equity and Liabilities			146 756 310			

Question	Answer	Mark
Number		
5(d)	Correct treatment of goodwill would be to amortize $$ over its useful economic life. $$ Shown as an intangible non-current asset $$	
	<u>Case For this treatment</u>	
	Likely to derive benefits from the expenditure over a number of years, $$ so spread the cost of this expenditure over a number of years $$ ie matching concept $$ gives a True and Fair view of the accounts. $$ To write off immediately may make profit unrealistically low, $$ and tax charge would be unfairly low. $$ In line with recommended practice $$ ie FRS 10 / IAS 38 $$	
	Case Against this Treatment	
	If written off immediately against reserves, $$ the prudence concept is followed. $$	
	Maximum of 4 $\sqrt{\ }$'s for arguing one side only.	
	Conclusion	
	Writing off over a number of years is recommended and beneficial as it gives a true and fair view in the accounts. $\sqrt{}$	(8)

Question Number	Answer					Mark
6(a)						
		San Pedro	<u>La Rioja</u>	<u>Copresol</u>	<u>Andacalla</u>	
	Sales Revenue	2080000√	1365000 √	812500 √	520000 √	
	Direct Labour	1664000	1050000	675000	408000	
	Direct Materials	288000	315000	150000	96000	
	Fixed Costs	105600	60900	25000	20000	
	Profit (Loss)	22400√	(60900)√	(37500)√	(4000) √	
		o/f	o/f	o/f	o/f	(8)

Question Number	Answer					Mark
6(b)(i)		1				
6(b)(ii)	Per tonne	San Pedro	<u>La Rioja</u>	<u>Copresol</u>	<u>Andacalla</u>	
	Sales Revenue	6500	6500	6500	6500	
	Direct Labour	5200	5000	5400	5100	
	Direct Materials	900 √	1500 √	1200 √	1200 √	
		(2)	(2)	(2)	(2)	
	Fixed Costs	330 √	290 √	200 √	250 √	
	Profit (Loss)	70 √ o/f	(290)√ o/f	(300)√ o/f	(50) √	
					o/f	(16)
						(-0)
	Contribution	400 √ o/f	0 √ o/f	(100)√ o/f	200 √ o/f	

Question Number	Answer					Mark
6(c)						
		<u>San Pedro</u>	<u>La Rioja</u>	<u>Copresol</u>	<u>Andacalla</u>	
	Short Term	Open	Open/close √	Close	Open √	
		either ST or		\checkmark either ST or		
		LT		LT		
	Long Term	Open	Close √	Close	Close √	
	√ if mention √ if reason g	Andacalla must r made for positive iven for supporti price of copper	e contribution , ng decision in :	/ or negative cor ST for La Rioja e	ntribution e.g. in	(8)

Question Number	Answer		Mark
7(a)(i)	£35 768	\checkmark	(1)

Question Number	Answer	Mark
7(a)(ii)	Increased by 13 745 √	(1)

Question Number	Answer	Mark
7(a)(iii)	$(£22 654 + £6 320) \sqrt{ = £28 974 } $	(2)

Question Number	Answer		Mark
7(a)(iv)	$(£16\ 162\ -\ £4\ 162)\ \sqrt{\ =\ £12\ 000}$	$\underline{£12\ 000}\ \sqrt{\ \ x100} =$	(4)
	6% √	£200 000 √	(4)

Question Number	Answer	Mark
7(a)(v)	$(£135\ 000\ -\ £45\ 000)\ \sqrt{\ =\ £90\ 000\ \sqrt{\ }}$	(2)

Question Number	Answer	Mark
7(a)(vi)	$(£17\ 000 - £8\ 000)\ \sqrt{\ =\ £9\ 000\ }\ \sqrt{\ }$	(2)

Question Number	Answer			Mark
7(a)(vii)	(£12 473	+ £34 476) √ =	£46 949 overdraft √	(2)

Question	Answer	Mark
Number		
7(a)(viii)	Bank balance at 31 March 2012 = $(£50\ 141 - £13\ 685)\ $ = $£36\ 456\ $ Movement in year = $(£46\ 949\ +\ £36\ 456\ o/f)\ $ = $£83\ 405$ increase $$	(4)

Question Number	Answer	Mark
7(a)(ix)	$(£7\ 360\ +\ £16\ 799)\ \sqrt{\ =\ £24\ 159}\ \sqrt{\ }$	(2)

Question Number	Answer	Mark
7(b)	A statement of cash flow is for the past 12 months $\sqrt{\ }$ and includes mostly exact figures $\sqrt{\ }$ prepared for external users $\sqrt{\ }$ A cash budget is for a future period, $\sqrt{\ }$ and involves figures that are mostly estimates $\sqrt{\ }$ prepared for mainly internal use. $\sqrt{\ }$ Maximum of 2 $\sqrt{\ }$'s for each.	(4)

Question Number	Answer	Mark
7(c)	Answers may include the following: Max 4 √ available for arguing only one side.	
	Profit most important Without profit, business would close down $$ in the long run. $$ If short term liquidity problem, $$ many sources are available as source of finance $$ eg banks, shareholders, debt factoring etc (need two sources). $$ No/low profits may result in firm unable to attract finance $$ or investors/shareholders. $$ No/low profits may see share price fall, $$ as investors lose confidence. $$	
	Liquidity most important (or both equally important) Liquidity problems result in unable to pay daily bills $$ eg wages, electricity (need two) $$ Unable to pay some bills may result in closure of business $$ eg tax bill $$ Unable to pay some bills may mean business unable to operate $$ eg electricity cut off $$ Can survive short term losses $$ if previous profits have been built up $$	(8)
	2 √ for Conclusion eg Profit more important	

6002 01 Assessment Objectives June 2012

Qstn	Spec Ref	AO1 Knowlg + Undestng	AO 2 Applicatn	AO 3 Analysis	AO 4 Evaluatn	Total
			60	48	44	
10	1.0	48 12	16	12		40
1a	1a	12	16	12	12	40
1b	1a				12	12 52
2a	5	6	4	2		12
2b	<u>5</u>	6	8	10		24
2c	5	U	4	10		4
2d	5		4		12	12
Zu	J				12	52
3a	1b	6	4	2		12
3b	1b		9	7		20
3c	2	2	3	3		8
3d	1b			<u> </u>	12	12
	15				12	<i>52</i>
Sectn A Total 104	Any 2 Qstns	24	32	24	24	104
4a	6	8	4	4		16
4b	6		4	4		8
4c	6				8	8
						32
5a	1c	4	2	2		8
5b	1c		2	2		4
5c	1c	4	4	4		12
5d	1c				8	8
						32
6a	8	4	2	2		8
6b	8	4	6	6		16
6c	8				8	8
						32
7a	3	6	8	6		20
7b	3	2		2		4
7c	3				8	8
						<i>32</i>
Sectn B Total 96	Any 3 questns	24	24	24	24	96
TOTAL		48	56	48	48	200

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