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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 Number	Answer											Mark
1(a)	Q1a Ma Stateme	rk Scheme	sive					W1 Cost of Sales				
	Income	for Fireworks plc fo	r Y/e 31st					Direct Materials	447760	\checkmark		
	March 2	2012 √						Less Discount Received	(68740)	\checkmark		
								Factory Depreciation	126000	\checkmark		
	Revenue		3321765	\checkmark				Machinery Depreciation	168750	\checkmark	8 x √	
								Hire of Plant and machinery	24300	\checkmark		
	Cost of sa	ales	1036070	\checkmark	o/f			Factory staff Stock Adjust Finished Goods	350000			
	Groce pro	sfit	2285605	./	o/f			1036070	(12000)	v		
	Gross pro	JIIC	2203093	v	0/1			W2 Distribution Costs				
	Other Inc	ome	75201	\ر	o/f			Commission on sales	147500	\ر		
	other me	lonic	75201	v	0/1			Delivery charges	215670	v √		
	Distributi	on cost	1250902	\ر	o/f			Marketing and advertising	37584	v √	7 x x/	
	Distributi		1250502	v	0/1			Rent on shop premises Sales staff travel and	52855	v	7	
	Administr	rative expenses		66	55902	\checkmark	o/f	entertaining	32750	\checkmark		
								Shop staff wages	126000	\checkmark		
	Financial	cost		2	47980	\checkmark	o/f	Warehousing	638543	\checkmark		
	Profit on ordinary activities before tax						1250902					
			20	16112	-/	o/f	W3Administrative					
			5:	90112	v	0/1	Rad Dabta Writtan Off	0450	./			
	Corporati	ion tax		11	10000	./		Discoupt allowed	9430	v ./		
	Corporati			1.	10000	v		Computer depreciation	26600	v √		
								Fees to debt collection agency	2000	v √	8 (
	Profit on	ordinary activities a	after tax	28	36112	√c	o/f√C	Hire of photocopiers	7300	\checkmark	8 x √	
								Insurance	11120	\checkmark		
								Administration staff wages	289000	\checkmark		
				12	2 x √			Accountancy staff wages	224000	\checkmark		
									665902			
								W4 Other Income				
								Dividends received	32810	\checkmark		
								Interest on bank balance	4651	\checkmark		
								Rent received	37740	\checkmark	3 x √	
									75201			
								W5 Financial cost				
	τοται	40 marks						Interest on overdraft	2080	\		
	IUIAL							Interest on bank loan	2900 45000	v √	2 × 1/	
	Discount	Allowed also accor	ted in						47020	v •/	~ ~ V	
	Distributi	on Costs							77900	v		(40)



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. $$ This may help future potential investors /shareholders /creditors $$ etc with decision making. Eg buy more shares/allow credit $$ Should be beneficial if required to be shown $$ by FRS3 / IFRS 5 $$	
	Against usefulness Adds more figures and details to the accounts \checkmark so makes them more difficult to understand. \checkmark especially for those with little accounting knowledge. \checkmark Takes time to add extra detail \checkmark and therefore this means extra expense \checkmark	
	Maximum for arguing only one side 8 x $$ = 4 marks	
	Evaluation Should conclude that it is beneficial to show Discontinued Activities. $\sqrt{}$	
		(12)



Question Number	Answer	Mark
2(a)	(i) Kilograms of clay per tile = $\frac{341\ 120}{83\ 200}$ = 4.1 kilos $$	
	(ii) Cost per kilogram of clay = $\frac{£17\ 056}{341\ 120}$ = 0.05 pence per kilo $$	
	(iii) Standard time to produce budgeted output = $\frac{83\ 200}{40}$ $$ =	
	2 080 hours √	
	(iv) Actual wage rate per hour = $\frac{\pounds 12792}{2132}\sqrt{=}$ £6.00 per hour $$	(12)

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



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

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



Question Number	Answer			Mark
3(a)		Created by	Used for / Utilised examples	
	(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 or	ne example, except whe	re shown otherwise.	



Question	Answer						Mark	
3(b)		Ordina	arv Shar	e Capita	LAccount			
-(-)				Apr 1	Balance b/d	250√		
				June	Application &	25√		
				16	Allotment			
				July	Application &	15√		
				31	Allotment			
	Mar31	Balance c/d	<u>300</u>	Oct 1	First & Final Call	<u>10</u> √		
			300			300		
				Apr 1	Balance b/d	300		
				•	,			
		Sh	are Prer	+ nium Ac	√ if balanced count	off correctly 5		
				Apr 1	Balance b/d	50√		
	Mar31	Balance c/d	60	Oct 1	First & final call	<u>10</u> √		
			60			60		
				Apr 1	Balance b/d	60		
			I	+	if balanced	off correctly 3		
		Applicat	tion and	Allotmo	nt Account			
	lune	Ordinary	251/		Bank	32 1/		
	16	Share Canital	250	16	Darik	52 V		
	June	Bank	2√	July	Bank	10 \sqrt{+}		
	26		·	31		√ for fig		
	July	Ordinary	15 🗸 +					
	31	Share Capital	<u>√f</u> orfig					
			42			42		
	+ $$ if balanced off correctl							
		<u>Firsi</u> Ordinami Chaira	t and Fir			20-/		
	1 1	Capital	101	, Oct 31	Бапк	207	(20)	
	Oct 1	Share Premium	<u>10</u>	\checkmark				
			20			20		
				+	if balanced	off correctly 4		



Question Number	Answer			Mark
3(c)	Gearing ratio	=	Prior charge capital \sqrt{x} 100 Capital employed \sqrt{x}	
		=	$\frac{75 \sqrt{+150 \sqrt{+175 }} \times 100}{568 + 325 }$	
		=	$\frac{400}{893}$ x 100 = 44.79% $\sqrt{0/f}$ C	(8)
			Other formulas are acceptable	



Question	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% √√ 			
	 So % V at S1.5 % VV 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 			
	Should relate to above points made. E.g. Ordinary shares are a preferable source of finance. $\sqrt{}$			



Question	Answer						Mark
Number		1	I	Γ			
4(a)							
	<u>Outflow</u>						
	Salaries	100000	420000		520000 √		
	Running	800000	260000		540000 √√		
					1060000 √		
	Income						
		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	-1500000	1	-1500000 √√	
	1	1250000	1060000	190000	0.917	174230 √ o/f	
	2	1500000	1060000	440000	0.842	370480 √o/f	
	3	1800000	1060000	740000	0.772	571280 √ o/f	
	4	1600000	1060000	540000	0.708	382320 √ o/f	
					NPV	-1690 √o/f√ 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. $\sqrt{}$ 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 Number	Answer	Mark
4(c)	Answers may include:	
	Case For IRR	
	An accurate return can be calculated. \checkmark Takes account of falling value of money over time. \checkmark Can be compared to target value of business \checkmark to decide whether to invest in project. \checkmark Can be calculated fairly easily by computer. \checkmark	
	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. \surd	
	May need a computer \checkmark and computing skills to calculate IRR. \checkmark	
	Maximum of 4 \checkmark 's for arguing one side only.	
	Conclusion IRR is a good / not a good method of project appraisal. $\sqrt{}$	(8)



Question	Answer						Mark
Number							
5(a)		1	1	1	1	,	
	Calculation of						
	<u>Goodwill</u>						
				Purchase			
	Property	12800000		Price	18590000	\checkmark	
				Value of			
				Net			
	Plant	1 000000		Assets	11528590	√ o/f	
	Equipment	1 250000	√ (3)	Goodwill	7 061410	$\sqrt{o/f} \sqrt{C}$	
	Inventories	115 000					
	Trade Receivables	9 900	√ (2)				
	Bank Loan	-2500000					
	Loan repayable in						(8)
	12 months	-1000000					
	Trade Payables	-146 310	√ (3)				
	Value of Net assets						
	acquired	11528590	√ o/f				

Question Number	Answer	Mark
5(b)	Amount received per share = $\frac{\pounds 18590000}{11000000} = \pounds 1.69p$ per share $\sqrt{11000000}$	
	Cash received per share = £1.69 - (£1 + 60p premium) = £0.09 per share $$	
	<u>£639</u> = 7 100 shares √ o/f √ C £0.09	(4)



Question	Answer						
5(c)	Statement of Financial Position of Panoramic Cinemas Limited						
	as at April 1 st 2012						
	Assets			£			
	Non-current Assets						
	Property, plant and equipment	136050000	\checkmark				
	Intangible assets (2000000 $\sqrt{+}$ 7061410 o/f $$)	9061410	√√ o/f				
				145111410			
	Current Assets						
	Inventories	771 000					
	Trade Receivables	83 900	√(2)				
	Cash	790 000	$\sqrt{}$				
				1644900			
	Total Assets			146756310			
	Equity and Liabilities						
	Equity						
	Ordinary Shares of £1 each	91 000000	\checkmark				
	Share Premium	26 600000					
	Retained earnings	20 342660	\checkmark				
				137942660			
	Non-current liabilities						
	Bank Loan	7 500 000					
				7500000		(12)	
	Current Liabilities						
	Loans Repayable within 12 months	1 000 000	√ (2)				
	Trade Payables	313 650	\checkmark				
				1313650			
	Total Equity and Liabilities			146756310	\checkmark		



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 $$	
	Case For this treatment	
	Likely to derive benefits from the expenditure over a number of years, $$ 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 $$	
	Case Against this Treatment	
	If written off immediately against reserves, \checkmark the prudence concept is followed. \checkmark	
	Maximum of 4 $$'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√ o/f	(60900)√o/f	(37500)√o/f	(4000)√o/f	
		-				(8)

Question Number	Answer					Mark				
6(b)(i)										
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)				
	Contribution	400 √ o/f	0 √ o/f	(100)√ o/f	200 √ o/f					



Question Number	Answer					Mark
6(c)		-				
		San Pedro	<u>La Rioja</u>	<u>Copresol</u>	<u>Andacalla</u>	
	Short Term	Open	Open/close \checkmark	Close	Open √	
		\checkmark either ST or		\checkmark either ST or		
		LT		LT		
	Long Term	Open	Close √	Close	Close $$	
	La Rioja and Andacalla must make mention to time period for $\sqrt{100}$ v if mention made for positive contribution / or negative contribution $\sqrt{100}$ if reason given for supporting decision in ST for La Rioja e.g. in future expect price of copper to rise or expect to reduce costs in future.					



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

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

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

Question Number	Answer	Mark
7(a)(iv)	$(\pounds 16\ 162\ -\ \pounds 4\ 162)\ \sqrt{\ =\ \pounds 12\ 000}$ $\frac{\pounds 12\ 000}{\pounds 200\ 000}\ \sqrt{\times 100=6\%}$	√ (4)

Question	Answer	Mark
Number		
7(a)(v)	$(\pounds 135\ 000\ -\ \pounds 45\ 000)\ =\ \pounds 90\ 000\ $	(2)

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

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

Question Number	Answer	Mark
7(a)(viii)	Bank balance at 31 March 2012 = $(\pounds 50\ 141 - \pounds 13\ 685)\sqrt{=}$ $\pounds 36\ 456\ $ Movement in year = $(\pounds 46\ 949\ +\ \pounds 36\ 456\ 0/f)\sqrt{=}\ \pounds 83\ 405$	(4)

Question Number	Answer	Mark
7(a)(ix)	$(\pounds7\ 360\ +\ \pounds16\ 799)\ =\ \pounds24\ 159\ $	(2)



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

Question	Answer	Mark
Number		
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 $$	
	eq banks, shareholders, debt factoring etc (need two sources). $$	
	No/low profits may result in firm unable to attract finance $\sqrt{0}$ or	
	investors/shareholders v	
	No/low profits may see share price fall \sqrt{as} investors lose	
	confidence $$	
	Liquidity most important (or both equally important)	
	Liquidity problems result in unable to pay daily hills y or wards	
	electricity (need two) .	
	letectricity (need two) v	
	Unable to pay some bills may result in closure of business γ eg tax	
	Unable to pay some bills may mean business unable to operate $$	
	eg electricity cut off $$	
	Can survive short term losses $$ if previous profits have been built	(8)
	up √	
	$2 \sqrt{10}$ for Conclusion eg Profit more important	

Qstn	Spec Ref	AO1 Knowlg	AO 2 Applicatn	AO 3 Analysis	AO 4 Evaluatn	Total
		+ Undestng	60	40		
		48	60	48	44	
1a	1a	12	16	12		40
1b	1a				12	12
						52
2a	5	6	4	2		12
2b	5	6	8	10		24
2c	5		4			4
2d	5				12	12
						52
3a	1b	6	4	2		12
3b	1b	4	9	7		20
3c	2	2	3	3		8
3d	1b				12	12
						52
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
						32
Sectn B Total 96	Any 3 questns	24	24	24	24	96
IOTAL		48	56	48	48	200

6002 01 Assessment Objectives June 2012

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