

GCE

Accounting

Advanced GCE

Unit F014: Management Accounting

Mark Scheme for June 2012

OCR (Oxford Cambridge and RSA) is a leading UK awarding body, providing a wide range of qualifications to meet the needs of candidates of all ages and abilities. OCR qualifications include AS/A Levels, Diplomas, GCSEs, OCR Nationals, Functional Skills, Key Skills, Entry Level qualifications, NVQs and vocational qualifications in areas such as IT, business, languages, teaching/training, administration and secretarial skills.

It is also responsible for developing new specifications to meet national requirements and the needs of students and teachers. OCR is a not-for-profit organisation; any surplus made is invested back into the establishment to help towards the development of qualifications and support, which keep pace with the changing needs of today's society.

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

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

OCR will not enter into any discussion or correspondence in connection with this mark scheme.

© OCR 2012

Any enquiries about publications should be addressed to:

OCR Publications PO Box 5050 Annesley NOTTINGHAM NG15 0DL

Telephone: 0870 770 6622 Facsimile: 01223 552610

E-mail: publications@ocr.org.uk

Annotations

Annotation	Meaning
2	Unclear
1112	Benefit of doubt
×	Cross
OFE	Own figure rule
1942	Repeat
<u> </u>	Noted but no credit given
✓	Tick

Subject-specific Marking Instructions

Every working box – whether they contain working or not- must be stamped as "seen".

Quality of Written Communication

The rubric states:

Levels of Response for Numerical Questions

Level	Mark	Description
3	3	All account headings, terms and balances are included appropriately and in line with accounting conventions. All figures are legible with effective use made of columns and sub-totals. All accounts are ruled off as appropriate.
2	2	Almost all account headings, terms and balances are included appropriately and in line with accounting conventions. Figures are legible with effective use made of columns and sub-totals. Accounts are ruled off as appropriate.
1	1	Some account headings, terms and balances are included though not always adhered to accounting conventions. Most figures are legible. Some appropriate use is made of columns and sub-totals. Some accounts are ruled off as appropriate.
-	0	Responses which fail to achieve the standard required for Level 1.

Levels of Response for *Narrative* Questions

Level	Mark	Description
2	2	Ideas, some complex, are expressed clearly and quite fluently, using an appropriate style of writing. Arguments made are generally relevant and are constructed in a logical and coherent manner. There are few errors of spelling, punctuation and grammar, and those that are made are not intrusive and do not obscure meaning.
1	1	Relatively straightforward or simple ideas are expressed in a generally appropriate style of writing which sometimes lacks clarity or fluency. Arguments have some limited coherence and structure occasionally showing relevance to the main focus of the questions. There are errors of spelling, punctuation and grammar which are noticeable and sometimes intrusive but do not totally obscure meaning.
-	0	Responses which fail to achieve the standard required for Level 1.

^{*} In these two questions/sub questions, you will be assessed on the quality of your written communication. In one of these questions, the focus will be on your ability to present numerical information legibly and in an appropriate accounting format. In the other, you will assessed on the legibility and style of writing, the clarity and coherence of your arguments and the accuracy of your spelling, punctuation and grammar.

C	uesti	on	Answer		Guidance
1	(a)	(i)	MPV P1: (8.50 – 8.40)210 = 21F(1) P2: (8.55 – 8.50)220 = 11F(1) P3: (8.70 – 8.60)150 = 15F(1)	3	
		(ii)	MUV P1: (180 – 210)8.50 = 255A(1) P2: (200 – 220)8.55 = 171A(1) P3: (130 – 150)8.70 = 174A(1)	3	
		(iii)	LRV P1: (9.20 – 9.50)200 = 60A(1) P2: (8.70 – 8.80)60 = 6A(1) P3: (8.60 – 8.70)80 = 8A(1)	3	
		(iv)	LEV P1: (220 – 200)9.20 = 184F(1) P2: (70 – 60)8.70 = 87F(1) P3: (90 – 80)8.60 = 86F(1)	3	
	(b)		Material Better quality, more expensive, adverse price. Less usage, favourable usage. Inferior quality, cheaper, favourable price. Greater usage, adverse usage. Labour Higher skilled labour, more expensive, adverse rate. More efficient, favourable efficiency. Less skilled labour, cheaper, favourable rate. Less efficient, adverse efficiency. (Each variance 1 x 4 marks)	8	

Question	Answer	Marks	Guidance
(c)	Expense – a system may be expensive to install and time consuming to keep up to date. Volatile conditions – in volatile conditions standards can get out of date quickly and will need constant updating. Type – need agreement on the most appropriate, ideal or	6	
	attainable. Basis of setting. Modern management – might conflict with modern management, where employees are expected to strive for continuous improvement, rather than meet a standard. (2 x 3 marks) (1 for point plus up to 2 for development)		
	Total	26	

Q	Question			Answe	r		Marks	Guidance
2	(a)		% DM	840,000 560,000	= 150%(1)		3	
			% DL	840,000 350,000	= 240%(1)			
			MHR	840,000 40,000	= £21 (1)			
	(b)		Direct materials Direct labour Prime cost Production overhead Production cost Administration 20% Total cost Profit Selling price	% DM 2,400 1,800 4,200(1) 3,600(1) 7,800 1,560 9,360 2,340 11,700(1)	% DL 2,400 1,800 4,200 4,320(1) 8,520 1,704 10,224 2,556 12,780(1)	MHR 2,400 1,800 4,200 3,360(1) 7,560 1,512 9,072 2,268 11,340(1)	7	

Question	Answer	Marks	Guidance
(c)*	W DM Usually no relationship between materials and overhead. Simple to calculate but not related to time. A job requiring expensive material will be charged more overhead than a job requiring cheaper material even though the overhead incurred could be the same. To be accurate need same material, time and equipment. W DL No distinction between slow and quick labour. Simple to calculate but not related to time. Compared to materials, labour rates are likely to be similar. To be reasonable need uniform rate and equipment.	12	
	MHR Most overheads related to time and this method is time based. Preferred if machining is the dominant factor. If different machines used, then a different rate could be calculated for each machine. (3 x 4 marks) (1 for point plus up to 3 for development) (12) QWC (2) QWC	2	Must show QWC has been considered even if 0
	Total	24	

Question			Marks	Guidance				
3	(a)	Sales Calculations					14	
			<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>Nov</u>		
		<u>Sales</u>	30,000	32,000	31,000	35,000		
		60% -1%	17,820	19,008	18,414	20,790		
		40%			12,000	12,800		
		_	17,820	19,008	30,414	33,590		
		Disc all	180	192	186	210		
		<u>Purchases</u>						
			<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>Nov</u>		
		Purchases	20,000	18,000	18,000	24,000		
			20,000					
		100% – 2%		17,640	17,640	23,520		
		Disc rec		360	360	480		
		Sales	128,000					
		50% profit margin	64,000					
		Cost of sales	64,000					
		Purchases	80,000					
		Cost of sales	64,000					
		Closing stock	16,000					

Question			Answer			Marks	Guidanc	
	Cash Budget for the for	Cash Budget for the four months ending 30 November 2012						
		Aug	Sept	<u>Oct</u>	<u>Nov</u>			
	<u>Receipts</u>							
	Capital	50,000						
	Cash Sales	17,820 (1)	19,008 (1)	18,414 (1)	20,790 (1)			
	Credit Sales			12,000 (1)	12,800 (1)			
	_	67,820	19,008	30,414	33,590			
	<u>Payments</u>							
	Purchases	20,000 (1)	17,640 (1)	17,640 (1)	23,520 (1)			
	Salaries		8,000	8,000	8,000 (1)			
	Drawings	3,000	3,000	3,000	3,000 (1)			
	Equipment			13,000	13,000 (1)			
	Expenses	3,600	3,600	3,600	3,600 (1)			
	_	26,600	32,240	45,240	51,120			
	Net cash flow	41,220	(13,232)	(14,826)	(17,530)			
	Opening Balance		41,220	27,988	13,162			
	Closing Balance	41,220	27,988	13,162	(4,368)			

Question		Marks	Guidance		
(b)*	Budgeted Trading and Pro	fit and Loss Account for	the four months ending 30 November 201	<u>2</u> 16	
	Sales		128,000 (1)		
	Opening stock	-			
	Purchases	80,000			
		80,000	•		
	Closing stock	16,000			
	Cost of sales		64,000		
	Gross Profit		64,000 (2)		
	Discount received		1,200 (1)		
			65,200		
			00,200		
	Discount allowed	768 (1)			
	Salaries	32,000 (1)			
	Depreciation	3,250 (2)			
	Expenses	14,400			
	Expenses	14,400	50, 418		
	Net Profit		14,782		
	Net Floit		14,762		
	Budgeted Balance sheet	as at 30 November 2013)		
	Fixed Assets	as at so Hoveliber 2012	= 35,750 (2)		
	1 IXCU 7 ISSCIS		55,750 (2)		
	Current Assets				
	Stock	16,000 (1)			
	Debtors	26,400 (1)			
	Debtors	42,400			
	Current Liabilities	42,400			
	Salaries	8,000 (1)			
	Equipment	13,000 (1)			
	Bank	4,368			
	Dalik	<u> </u>			
		25,368			
	Working Capital		17,032		
	VVOINING Capital		52,782		
			02,102		

Question	Answer	Marks	Guidance
	Financed By Capital 50,000 (1) Net profit 14,782 64,782 Drawings 12,000 (1) 52,782 QWC	3	Must show QWC has been considered even if 0
(c)	Purchases are paid in the month received, whilst 40% sales are on two months credit. This may lead to cash flow problems. Consider allowing additional discount for earlier receipts from sales. Initially positive cash flow, influenced by capital. Increasing negative cash flow each month with deficit cash balance in November. Amount of drawings contributing to deficit cash balance. Capital expenditure plans reduce cash balance, could payment terms be extended or equipment leased. In short term seek bank overdraft facility/loan. These more likely to be given if business shows future projections reverting to a positive cash balance. (3 x 3 marks) (1 for point plus up to 2 for development)	9	
	Total	42	

Q	Question			Answer			Marks	Guidance
4	(a)	(i)	Depreciation X 455,000 – 35,000 = 4 Y 560,000 – 40,000 = 4 Net cash flow X Year Receipts Costs(excl depn) NCF Y Year Receipts Costs (excl depn) NCF	2 370,000 190,000 180,000(1) 2 440,000 240,000 200,000(1)	3 430,000 220,000 210,000(1) 3 480,000 250,000 230,000(1)	4 340,000 180,000 160,000 4 350,000 160,000 190,000	4	Guidance
		(ii)	X 2.5 yrs(2) Y 2.78 yrs(2)				4	

Question	Answer			Marks	Guidance
	NCF 170,000 180,000 210,000 160,000 35,000 cost esent value	<u>DF</u> 0.893 0.797 0.712 0.636 0.636	PV 151,810(1) 143,460 149,520 101,760 22,260(1) 568,810 455,000(1) 113,810(1)	8	
Y Year 1 2 3 4 4 Capita Net pre	NCF 180,000 200,000 230,000 190,000 40,000 cost esent value	DF 0.893 0.797 0.712 0.636 0.636	PV 160,740(1) 159,400 163,760 120,840 _25,440(1) 630,180 560,000(1) _70,180(1)		

Question	Answer	Marks	Guidance
(b)	X has shorter payback. Payback characteristics (no timing, period). X has lower capital cost. Both have positive net present value. X has highest net present value. Net present value characteristics (timing, all period) Availability of finance. Small difference in payback. Sales greater for Y. Increased wages for X. Increased transport costs for X. Both have residual value. All figures are estimated and may not materialise. Recommendation. (6 x 1 mark)	6	
(c)	Local community, effects of noise and traffic congestion with X, impact on house prices. Greater employment opportunities with X, multiplier impact. Health and Safety issues with X for employers and local community. Environment, additional transport for X, effects of disposing toxic waste. Public relations, negative publicity if involved with toxic waste. (2 x 3 marks) (1 for point plus up to 2 for development)	6	
	Total	28	

OCR (Oxford Cambridge and RSA Examinations) 1 Hills Road Cambridge **CB1 2EU**

OCR Customer Contact Centre

Education and Learning

Telephone: 01223 553998 Facsimile: 01223 552627

Email: general.qualifications@ocr.org.uk

www.ocr.org.uk

For staff training purposes and as part of our quality assurance programme your call may be recorded or monitored

Oxford Cambridge and RSA Examinations is a Company Limited by Guarantee Registered in England Registered Office; 1 Hills Road, Cambridge, CB1 2EU Registered Company Number: 3484466 **OCR** is an exempt Charity

OCR (Oxford Cambridge and RSA Examinations)

Head office

Telephone: 01223 552552 Facsimile: 01223 552553



