



Management Accounting 2nd Year Examination

May 2012

Exam Paper, Solutions & Examiner's Report



StudentBounts.com



The solutions in this document are published by Accounting Technicians Ireland. They are intended to provide guidance to students and their teachers regarding possible answers to questions in our examinations.

There are often many possible approaches to the solution of questions in professional examinations. The examiner will accept alternatives to the suggested solution shown herein as long as that alternative is appropriate.

This publication is intended to serve as an educational aid. For this reason, the published solutions will often be significantly longer than would be expected of a candidate in an examination. This will be particularly the case where discursive answers are involved.

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StudentBounty.com **Accounting Technicians Ireland**

2nd Year Examination: May 2012

Paper : MANAGEMENT ACCOUNTING

18th May 2012 - 2.30 p.m. to 5.30 p.m.

INSTRUCTIONS TO CANDIDATES

In this examination paper the €/£ symbol may be understood and used by candidates in Northern Ireland to indicate the UK pound sterling and the €/£ symbol may be understood by candidates in the Republic of Ireland to indicate the Euro.

Answer FIVE questions.

Answer all three questions in Section A. Answer any two of the three questions in Section B.

If more than the required number of questions is answered, then only the requisite number, in the order filed, will be corrected.

Candidates should allocate their time carefully.

All figures should be labelled, as appropriate, e.g. €/£'s, units etc.

Answers should be illustrated with examples, where appropriate.

Question 1 begins on Page 2 overleaf.

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SECTION A ANSWER ALL THREE QUESTIONS

QUESTION 1 (Compulsory)

StudentBounty.com Ombi Ltd. specialises in seasonal novelty products and is considering the manufacture of a range of items to coincide with a major sporting event. The range will initially comprise of products, Flags and Bunting. To assist with budgeting, Ombi Ltd. has collated the following projected information for the month of July:

Projected Sales	<u>Quantity</u>	Sales Revenu	<u>ue per item (€/£)</u>
Flags	4,000	18	
Bunting	2,000	50	
Production Requirements Material Cer	<u>Cost per metre</u> €/£4.00	<u>Flags</u> 0.5m	<u>Bunting</u> 4m
Material Bac	€/£2.00	1m	3m
Finished Inventory		Flags	Bunting
T st July		200	0
31 st July		950	1,325

There is no opening or closing work in progress, however due to inefficiencies in the production process, management expect that 5% of output will not pass quality control and therefore cannot be sold.

Materials Inventory	<u>Cer</u>	<u>Bac</u>
1 st July	6,000m	20,000m
31 st July	10,200m	14,000m

Labour & Overhead

The standard direct labour required to produce each Flag unit is 30 minutes and a Bunting unit takes 1 hour to produce. Labour is paid at €/£10 per hour. Variable overheads (which will be incurred evenly over the year) are projected at €/£360,000 per annum and these are to be absorbed into production on the basis of direct labour hours.

Requirement

(a) Prepare the following Budget Statements:

Sales Budget Production Budget Material Purchasing Budget Labour Budget **Overhead Absorption Budget**

16 Marks

(b) Calculate the projected standard contribution per unit for Flags and Bunting

4 Marks Total 20 Marks

QUESTION 2 (Compulsory)

2² StudentBounts.com Mr Gallagher is commencing in business to produce a single article which it sells at \in/E^{1} estimates that the marginal cost of production is €/£60, while his fixed costs will be €/£4,00 month. He has asked for your assistance with some calculations to inform his business plan.

Requirement

(a) Calculate the projected profit/(loss) for the month for sales of:

- 500 units;
- 200 units and
- 50 units.

(b) Calculate the Sales Revenue required to earn a projected profit of \neq /f5 000	3 Marks
	3 Marks
(c) Calculate the projected profits at sales of $\in /E30,000$.	3 Marks
(d) Calculate the margin of safety in value terms and units for sales of 400 units	3 Marks
(e) Calculate a projected breakeven point if the sales price is reduced by 10%.	3 Marks
(f) Discuss the advantages and disadvantages of using Break Even analysis.	
	<u>5</u> Marks Total <u>20</u> Marks

QUESTION 3 (Compulsory)

StudentBounty.com Jewel Products Ltd. is a producer of jewellery. The company uses a traditional costing allocate production overheads to products based on labour hours. The Managing Direct you that it has been suggested to him that an activity based costing approach would give a allocation of production overheads and has asked you to carry out some calculations. You h collected the following information on production overhead costs:

	E/L
Production Set Up Costs	129,000
Cost of Ordering Materials	81,000
Cost of Handling Materials	35,000
Utility Costs	175,000

Details of 3 model products and actual cost information for the last period has been recorded as follows:

	GEMB	GEMC	GEME
Units produced	1,000	2,000	1,000
No. of Requisitions	30	100	70
No. of Material Orders	20	30	40
No. of production runs	24	40	36
Machine hours per unit	1	1	2
Direct labour hours per unit (€/£20	per hour) 1	1.5	2
Direct Materials per unit	€/£20	€/£30	€/£40

Requirement

- (a) Prepare a schedule showing the total production cost and the unit production cost for each of the 3 products using:
 - Traditional Absorption Costing (i)
 - (ii) Activity Based Costing

(b) Comment on the relevance of both approaches.

15 Marks

5 Marks Total 20 Marks

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SECTION B ANSWER TWO OUT OF THE FOLLOWING THREE QUESTIONS

QUESTION 4

StudentBounty.com Conferno Ltd. has provided you with the following production information for further analysis

<u>Budgeted Costs (per unit</u>)	€/£
Direct Materials (15kg at €/£2/kg)	30
Direct Labour (2hours at €/£10/hr)	20
Variable Overhead (2 x €/£5/hr)	10
Fixed Overhead (2 x €/£10)	<u>20</u>
Total Cost	80
Budgeted Variable Overhead	€/£150,000
Budgeted Fixed Overhead	€/£200,000

Fixed and Variable overhead are absorbed on the basis of direct labour hours which are estimated to be 20,000 per month.

Actual Cost Results	€/£
Direct Materials (14,000 kg)	210,000
Direct Labour (17,500 hours)	192,500
Variable Overhead	100,000
Fixed Overhead	190,000

Conferno had budgeted for sales of 10,000 units at a price of €/£110 per unit, but reports that actual sales revenue was €/£1,080,000 for 9,000 units.

Requirement

(a) Calculate the following variances:

- (i) Sales Price Variance
- (ii) Sales Volume Profit Variance
- Material Price Variance (iii)
- Materials Usage Variance (iv)
- Labour Rate Variance (v)
- Labour Efficiency Variance (vi)
- Variable Overhead Expenditure Variance (vii)
- Variable Overhead Efficiency Variance (viii)

12 Marks

(b) Calculate the following fixed overhead variances:

(i) Fixed Overhead Expenditure Variance

(ii) Fixed Overhead Volume Variance

(iii) Fixed Overhead Volume Efficiency Variance (iv) Fixed Overhead Volume Capacity Variance

> <u>8</u> Marks Total 20 Marks

QUESTION 5

2" Sillarenteount, com You have been asked to talk with a group of accounting technician students in your loc about your experience as an assistant management accountant working in a local company

Requirement

Prepare a briefing paper in advance of your talk which addresses the following issues

- the role of a management accountant in a large manufacturing organisation;
- how management accounting can support decision making; -
- how strategic planning differs from budgeting. _

Total 20 Marks

QUESTION 6

Trimvalue Ltd is a wholesale distribution firm which has provided you with the following information from stores in relation to a particular product line - CRIS20

		Units	Unit Price	Value
08/3/12	Delivery from Manufacturer	500	10.00	€/£5,000
12/3/12	Delivery from Manufacturer	100	11.20	€/£1,120
17/3/12	Issued to sales	400		
25/3/12	Delivery from Manufacturer	300	11.50	€/£3,450
27/3/12	Issued to sales	250		

Sales of 650 units @ €/£20 per item are recorded for the month. There is an opening stock of 250 units, valued at €/£2,000 at 1st March 2012.

Requirement

(a) Calculate the gross profit for the month of March 2012 using each of the following methods of inventory valuation:

(i) FIFO (ii) LIFO

(iii) Weighted average.

14 Marks

(b) Which inventory valuation is most relevant for decision making purposes. Explain your answer.

> 6 Marks Total 20 Marks



Students please note: These are suggested solutions only; alternative answers may also be deemed to be correct and will be marked on their own merits.

Solution 1

Ombi Ltd

(a)				Marks Allocated
Sales Budget				/ moourou
3	Flags	Bunti	ing	
Sales units	4000	2000	5	
Sales value	€/£72,000	€/£10	00,000	
Total Sales	€/£172,000			2 marks
Production Budget (uni	ts)			
_	Flags	Bur	nting	
Sales	4000	200	0	
Add Closing Stock	950	132	25	
	4950	332	5	
Less Opening Stock	(200)		-	2 marks
Net Production	4,750	3,3	25	
requirement (95%)				
Normal loss	250	175		1 mark
Total Production				
requirement (100%)	5000 unit	ts 3	500 units	1 mark
Materials Purchasing Bu	udget			
	Cer		Bac	
Production requirement				
Flags (5000 units)	2500m		5000m	
Bunting (3500 units)	14000m		10500m	
Total	16500m		15500m	
Add Closing Stock	10200m		14000m	
	26700m		29500m	
Less Opening Stock	(6000m)		(20,000m)	
Purchasing	20700m		9500m	2marks
Requirement				
Cost per metre	€/£4.00		€/£2.00	
Cost of Purchases	€/£82,800)	€/£19,000	2 marks

			2	
Management Accounting	Ν	fay 2012	2 ⁿ	Hay .
Solution 1 (Cont'd)				Chro
Labour Budget				94
Production requirements Direct labour input Total labour hours rec Cost per hour - €/£10 Total Labour Cost - €/	guirement 1£60,000	Flags 5000 units 30 mins 2500 hours	Bunting 3500 units 1 hour 3500 hours	Allo 2 marks 1 mark
Variable Overhead Abs	orption Budge	t		
Variable Overhead for ye Variable Overhead for m Direct Labour Hours (25)	ear nonth 00 + 3500)		360,000 30,000 6000	1 mark
Overhead			€/£5	1 mark
Absorbed as follows: Flags Bunting			€/£12,500 €/£17,500	1 mark
(b) FLAG Sales price		18.00		
Direct Material				
Cers 0.5m @ €/£4 Bac 1m @€/£2 Direct Labour	2.00 2.00			
0.5 hour @ €/£10/hr	5.00			
Variable Overhead 0.5 hours @ €/£5	2.50 11.50			1 mark
Normal loss (5%) Gross Profit/Contribu	0.58 tion (per unit)	12.08 5.92		1 mark
BUNTING				
Sales price		50.00		
Direct Material	16.00			
Bac 3m @€/£2 Direct Labour	6.00			
1 hour @ €/£10/hr Variable Overhead	10.00			
1 hour @ €/£5	5.00			1 mark
Normal loss (5%)	1.85	38.85		
Gross Profit/Contribu	tion (per unit)	11.15		1 mark
				20 MARKS

Solution assumes that the 5% loss is incurred at the end of the production process, thereby incurring all costs, including materials, labour and overhead. No penalty to subsequent calculations if calculated on alternate basis.

Solution 2

Mr Callagh

				2		
Management Accounting	N	lay 2012		2 ⁿ 14		
Solution 2					700	
Mr Gallagher					02	
(a) Projected profit/(loss)	calculations				Allo Co	
	500 units	200 units	50 units]		C.
	€/£	€/£	€/£	_		3
Projected Contribution	20,000	8,000	2,000	4	01	14
Fixed Costs	4,000	4,000	4,000	4	3 X 1 mark	
Projected Profit/(Loss)	16,000	4,000	(2,000)]	mark	
Workinas:						1
Sales Revenue	100					. L
Variable Cost	60					
Contribution	40					
Breakeven Point	4 000/40		[10 000 color ro			
Fixed Cost/Contribution	4,000/40 =	100 units = €/	£10,000 sales re	venue		
(b)						
Target Profit + Fixed Cost	s / Contribution					
					1 mark	
(5000+4000)/40	= 225 Units				1 mark	
= €/£22,500 sales reve	nue				1 mark	
(c)						
Sales	30,000=	300 units				
Variable Costs	18,000					
Contribution	12,000				2 marks	
Fixed Costs	4,000					
Projected profit	8,000				1 mark	
(d) Margin of safety					, mark	
In sales value - (Profit x S	ales) /Contribu	tion			1 mark	
400 units						
Sales revenue	40,000					
Variable Costs	24,000					
Contribution	16,000					
Fixed Costs	4,000					
Projected profit	12,000					
(12000 x 40000)/16000	=€/£	30,000 in tei	rms of sales val	lue	1 mark	
In units - Profit / Contribu	tion per unit					
12,000/40	= 300) units			1 mark	
(\circ)						
Revised BFP						
Sales Revenue	90					
Variable Cost	60					
Contribution	30				1 mark	
Fixed Costs /Contribution	- 124 unite				1 mark	
= €/£12,000 units	- 134 UIIIIS				1 mark	

Solution 2 (Cont'd)

(f) Advantages & Disadvantages of Breakeven analysis

Management Accounting Solution 2 (Cont'd) (f) Advantages & Disadvantage	May 2012 es of Breakeven analysis	Mai Alloca
ADVANTAGES	DISADVANTAGES	· · ·
Efficient tool for forecasting and to inform decision making	Does not consider quantity discounts or other pricing impacts	Presentation 1 mark
Margin of safety can be used to demonstrate robustness and strength of projections	Assumes that variable costs are clearly identifiable and are constant, ignoring the impact of production efficiency or other factors	Advantages 2 marks
Particularly useful for pricing of special orders and situations where there is limited resource availability	Assumes that sales mix and contributions remain constant which may not reflect practical reality	Disadvantages 2 marks
Relatively simple to administer	Should only be applied to a short term horizon	20 MARKS

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Solution 3

Jewel Products Ltd

(a)

(i) Traditional Absorption Costing

|--|

(420,000/7000)

		6000
GemE	1000 x 2	2000
GemC	2000 x 1.5	3000
GemB	1000 x 1	1000

Production Overhead Absorption Rate €/£70 per labour hour

Production Overheads Production Set Up Costs Cost of Ordering Materials Cost of Handling Materials Utility Costs

129,000 81,000 35,000 175,000 **420,000**

2	Marks

2"StudentBounty.com

Total Cost Summary				
-	GEMB	GEMC	GEME	
	€/£	€/£	€/£	
Direct Materials	20,000	60,000	40,000	
Direct Labour	20,000	60,000	40,000	1 mark
Production Overhead	70,000	210,000	140,000	
Total Production Cost	110,000	330,000	220,000	
Units Produced	1000	2000	1000	
Cost per unit	€/£110	€/£165	€/£220	
Cost Summary per unit				
	GemB	GemC	GemE	
	€/£	€/£	€/£	
Direct Materials	20	30	40	
Direct Labour	20	30	40	
Production Overhead	70	105	140	3 x 1
Cost per unit	€/£110	€/£165	€/£220	mark

Solution 3 (Cont'd)

(ii) Activity Based Costing

				2.	
Management Accounting	May 20	012	2	THO	
Solution 3 (Cont'd)					ABOL
ii) Activity Based Costing					Allo
Cost Centre	Set Up	Ordering	Handling	Utilities	1 mark
Production Overhead	129000	81000	35000	175000	
Cost Driver	Production runs	Material Orders	Material Requisitions	Machine Hours	1 mark
Volume	100 runs	90 orders	200 requisitions	5000 hou	
Activity Based Overhead rate	€/£1290	€/£900	€/£175	€/£35	4 x 1 mark
Total Cost Summary	GEMB €/f	GEMC €/f	GEME €/f		
Direct Materials Direct Labour Production Overhead	20,000 20,000	60,000 60,000	40,000 40,000		
Set UpOrderingHandlingUtilities	30,960 18,000 5,250 35,000	51,600 27,000 17,500 70,000	46,440 36,000 12,250 70,000		
Total Production Cost Units Produced Cost per unit	129,210 1000 €/£129.2	286,100 2000 21 €/£143	0 244,690 1000 .05 €/£244) .69	3 x 1 mark

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Solution 3 (Cont'd)

(b)

StudentBounty.com The traditional absorption costing sees overhead allocated on the basis of direct labour hours and the volume of production. This is not particularly accurate as it uses a single cost driver (direct labour hours), while there is information to suggest that a number of activities are relevant in generating costs. However, it should be noted that the traditional absorption costing method does recognise the importance of production overheads and is simple to use. 1 mark

Activity Based Costing is more accurate as it identifies the cost driver for each pool 1 mark of costs and allocates overhead on the basis of that cost driver and the relative proportion of the activity consumed by that product. This provides more accurate 1 mark information for decision making such as pricing and production quantities. While it is more complex to establish and maintain, the use of activity based costing can lead to a better understanding of overheads and can support benchmarking and performance management.

It is clear in the example that the costs produced for Jewel Ltd are more detailed 1 mark and accurate when calculated using activity based costing, than when using traditional costing. In particular, the product GEMC, which is produced in higher volumes that GEMB or GEME absorbs higher production overhead costs under traditional absorption costing (resulting in a unit cost of €/£165) than under activity based costing, where the unit cost is €/£143.05.

20 marks

Solution 4

Examiner's Note: A change was announced during the Examination in relation to Question 4, whereas the quantity of Direct Materials (Actual) was amended to 140,000Kg (in place of 14,000Kg). Answers using either figure were acceptable and solutions using the two alternatives are shown herein.

Also note that there are two methods that could be followed in order to determine the answer for parts vii) and viii). Both approaches are shown here and either is acceptable.

		S.	
Management Accounting	May 2012	2 ^h	
Solution 4 (cont'd)		CT.	Ks Ks
(i) Sales Price Variance			2.
(Actual Sales Quantity x Actual Price) – ($(0,000, \times, 120,00)$	Actual Sales Quantity	x Standard Price)	20
1,080,000 -	990,000 =	£/€90,000 fav	111.5
(ii) Sales Volume Profit Variance			3
(Actual Sales Quantity x Standard profit p	oer unit) – (Standard S Stand	ales Quantity x lard profit per unit)	1 mark
(9,000 x 30*) -	(10,000 x 30))	
270,000 -	300,000 =	£/€30,000 adv	
(9,000 x 25*) -	(10,000 x 25	5)	
225,000 -	250,000 =	£/€25,000 adv	
*Additional Working			1 mark
Sales price	20	110	
Direct Materials (15kg at £2/kg) Direct Labour (2hours at €/£10/hr)	30 20		
Variable Overhead (2 x €/£5or €/7.50	0/hr) 10/15	00/05	
Fixed Overhead (2 x €/£10) Budgeted Standard profit	20	<u>80/85</u> 30/25	
		£/€60.000 fav	
(iii) Material price variance		2, 000,000 141	
(Actual quantity of inputs x Actual price)	– (Actual quantity of i	nputs x Standard Price)	
(140,000 x 1.5) -	(140,000 x 2	.00)	
210,000 -	280,000 =	£/€70,000 fav	
Or B Based actual direct materials of 14.	000ka		
(14,000 x 15.00) -	(14,000 x 2.00)		1 mark
210,000 -	28,000 =	£/€182,000 fav	THATK
(iv) Materials usage variance			
(Actual quantity of inputs x Standard prid	ce) – (Flexed quantity	x Standard price)	
(140.000 x 2.00) -	$(15 \times 9.000 \times 2.00)$		
280,000 -	270,000 =	£/€10,000 adv	
Or B Based actual direct materials of 14,	000kg	(2,00)	
(14,000 x 2.00) 28.000 -	- (15 x 9,000 x 270,000 =	(2.00) £ /€242.000 adv	1 mark
		C /C / O 000 for	
TOTAL WATERIALS VARIANCE		E/€00,000 Iav	
(v) Labour rate variance	Actual Hours of input y	Standard rate)	
(17,500 x 11.00 -	(17,500 x 10.00)		
192,500 - 175	,000 =	£/€17,500 adv	1 mark
(vi) Labour efficiency variance			
(Actual Hours of input x Standard rate) -	- (Standard hours requ	ired for actual output x St	
rate (17,500 x 10,00) - (2 x 0	9 000 x 10 00)		
175,000 - 1	80,000 =	£/€5000 fav	1 mark
		C/610 E00 adv	
IUTAL LABOUR VARIANCE		£/€12,500 aav	

Management Accounting May 2012 2 ⁿ	ATBC .					
(vii) Variable overhead expenditure variance	Elly					
(Actual variable Overhead) - (Actual hours x Variable Overhead Recovery Rate)	1					
A Based on Variable Overhead Absorption Rate of $\in /£5/hour$ 100,000-100,000-87,500=£/€12,500 adv	317					
Or B Based on Budgeted Variable Overhead of $\in /£150,000$ 100,000-100,000-100,000-131,250=£/€31,250 fav	1 mark					
(viii) Variable overhead efficiency variance						
(Actual hrs x Var. Overhead rec. Rate) - (Standard Hrs x Var. Overhead rec. Rate)						
A Based on Variable Overhead Absorption Rate of €/£5/hour (17,500 x 5.00) - (9,000 x 2 x 5.00) 87,500 - 90,000 = £/€2,500 fav	1 mark					
Or B Based on Budgeted Variable Overhead of €/£150,000(17,500 x 7.50)-131,250-135,000=£/€3,750 fav	1 mark					
TOTAL VARIABLE OVERHEAD VARIANCE £/€10,000 adv/ €/£35,000 fav						
(b) (i) Fixed Overhead Expenditure Variance						
(Actual Fixed Overhead expenditure)- (Budgeted fixed overhead expenditure)190,000-200,000=£/€10,000 fav	1 mark					
(ii) Fixed Overhead Volume Variance	THATK					
(Standard Hours for Actual Output x Standard Rate)- (Budgeted Hours x Standard Rate) (9,000 x 2 x 10) - (20,000 x 10) 180,000 - 200,000 = £/€20,000 adv	e) 1 mark 1 mark					
- which comprises of:						
(iii) Fixed Overhead Volume Efficiency Variance						
(Standard hours for actual output x standard rate) – (actual hours x standard rate) (900 x 2 x 10) - (17500 x 10) 180,000 - 175,000 = £/€5000 fav	1 mark					
(iv) Fixed Overhead Volume Capacity Variance	1 mark					
(Actual hours x standard rate) – (budgeted hours x standard rate)						
$(17,500 \times 10) (20,000 \times 10)$ 175,000 - $200,000 = $ £/€25,000 adv	1 mark					
	1 mark					

3	
Management Accounting May 2012 2 ^h	400
BREIFING PAPER Subject: Role of Management Accountant Supporting Decision Making Strategic Planning and Budgeting	All Presenta 2 marks
Date: 19 May 2012	2 marks
A Management Accountant is concerned with providing information to users within the organisation to assist with effective and efficient management of the business. A Management Accountant in a large manufacturing organisation will be involved in collecting and analysing data (primarily, but not exclusively, financial in nature) and supplying information for planning , control and	1 mark 1 mark 3 x 1 mark
 decision making. Examples of this information would include the calculation of product costs (including stock valuation) to determine pricing decisions: Consideration of the financial implications of a manufacturing line or particular product: Budget preparation, financial projections and variance analysis to support financial management. 	1 mark ^{Example(s)} 1-2 marks
The provision of information to support decision making is one of the major functions of management accounting. Although costs collected in the accounting records may provide basic information, decision making information usually also involves dealing with anticipated or expected future costs and revenues. It may also include information which is not normally incorporated in a traditional accounting system – these are known as the relevant costs and revenues .	1 mark 1 mark
Exception reporting or Management by Objectives (MBO) is often used in management accounting to focus the reporting of information to ensure that an organisation achieves it's overall goals and objectives.	1 mark
Marginal costing techniques which may include breakeven analysis and cost-volume-profit analysis can be particularly useful for decision making. These are simple to administer and understand as they concentrate on the controllable aspects of the business.	1-2 marks
Strategic planning relates to long-term planning which establishes the shape and direction of the organisation over a 2-10 year period. It is normally ad hoc	1 mark
and involves scanning the internal and external environment and focussing on general plans to achieve the mission and vision of the organisation. Strategic financial plans are normally only stated as forecasts as they can be subject to considerable change and revision.	1 mark 1 mark
A strategic plan for a manufacturing organisation is likely to be profit driven with possibly market share and other performance objectives.	Example 1 mark
Budgeting is very much focussed on a short-term horizon – normally up to 1 calendar year. Budgeting involves detailed financial planning to decide how resources should be used in the short term and predicting the financial outcome of these decisions. A budget is a quantative expression of a plan. In a	1 mark 1 mark
example sales , production, administration budgets, which will all be combined into one overall Master budget.	Example 1 mark
other relevant points may also attract mark allocation subject to an overall maximum of 20 marks	Maximum – 20 marks

						3.	
Management Solution 6 -		nting /alue Ltd	May 2012		2 ⁿ	THE	
		FIFO		Weighte	ad Average	10	
Sales Rever	ามค	13,000	13 000	13 000	eu Average	0	
Cost of Sale		13,000	13,000	13,000		1 mark	5-
Opening St	ock	2.000	2.000	2.000			2
Purchases		9.570	9.570	9.570			
Closing Sto	ck	(5.570)	(4.575)	(5,165)		1 mark	2
	-	6,000	6,995	6,405			17
Gross Profit		7,000	6,005	6,595			
Workings						3 x 1	
Purchases 8/3/12 12/3/12 25/3/12	€/£ 5000 1120 3450 9570)				тагк	1
<u>FIFO</u>							
Opening Sto	ck 1/3/	12	250	8.00	2000		
8/3/12			500	10.00	5000		
12/3/12			100	11.20	1120		
17/0/10	250	0.00 0000	850		8120		
17/3/12	250 150	8.00 2000 10.00 1500	(400) 450		(3500) 4620		
25/3/12			300	11.50	3450		
27/3/12 Closing Stock	250	10.00 2500	(250)		(2500)	2 marks	
Issued to P	roduc	tion (3500+250	500 70)	€∕	£7£5570 /£6000	1 mark	
						T Mark	
<u>LIFU</u> Opening Sto	~k 1/3/	10	250	8 00	2000		
8/3/12		12	500	10.00	5000		
12/3/12			100	11.20	1120		
, 0,			850		8120		
17/3/12	100 300	11.20 1120 10.00 3000	(400)		(4120)		
			450		4000		
25/3/12			300	11.50	3450		
			750		7450		
27/3/12	250	11.50 2875	(250)		(2875)	2 marks	
Closing Stoc	k 31/3/	/11	500		€/£4575	Z marks	
Issued to P	roduc	tion (4120+28)	75)	€∕	/£6995	1 mark	
Weighted A	vorad	0					
Opening Sto	rk 1/3/	<u>e</u> '12	250	8 00	2000		
8/3/12		12	500	10.00	5000		
0/0/12			750	9.33	7000		
12/3/12			100	11.20	1120		
			850	9.55	8120		
17/3/12	100		(400)	9.55	(3820)		
			450		4300		
25/3/12			300	11.50	3450		
07/0/10			750	10.33	7450		
27/3/12 Classifier Charl		/1 1	(250)	10.33	(2585)	2 marks	
Issued to P	⊾ 31/3/ 2 rodur :	tion (3820+25)	500 35)	10.33 €.	E/E0100 /£6405		

1 mark

Issued to Production (3820+2585)

		S		
Management Accounting	May 2012	2 ⁿ	Leg .	
Solution 6 (Cont'd)			STED.	
(b)			Mark Allocat	20
Decision making is based on releval alternatives being considered. The rele valuation will be based on the condition arise.	nt costs which are affected evant cost of materials and i is prevailing and the cashflows	by the nventory that will	1 mark	4.com
The most useful valuation for decision r most current. If the materials must be latest purchase price – LIFO. If the m replaced then the relevant cost is the re- be the latest purchase price - LIFO.	making is likely to be LIFO as purchased then the relevant con naterials are held in stock but eplacement cost, which is most	it is the ost is the must be likely to	2 marks	
If materials have no alternative use or the materials can be resold or used el opportunity cost (ie: the revenue other	re-sale value then there is no lsewhere then the relevant co rwise lost).	cost. If st is the	1 mark	
FIFO is not particularly useful for decisio as it is based on historical costs.	n making, particularly in the sh	nort term	1 mark	
Weighted average can be useful in tha period of time, giving a balanced invento	at it smoothes cost fluctuation bry valuation and stock calculation	s over a on.	1 mark	
			20 marks	

StudentBounty.com 2nd Year Examination: May 2012

Management Accounting

Examiner's Report

Statistical Analysis – By Question							
Question No.	1	2	3	4	5	6	
Average Mark (%)	51%	55%	48%	52%	54%	56%	
Nos. Attempting	853	844	844	695	225	798	

Statistical Analysis - Overall				
Pass Rate	69%			
Average Mark	55%			
Range of Marks	Nos. of Students			
0-39	116			
40-49	149			
50-59	262			
60-69	197			
70 and over	143			
Total No. Sitting Exam	867			
Total Absent	125			
Total Approved Absent	41			
Total No. Applied for Exam	1033			

General Comment

The overall performance at this session of the 2nd Year Management Accounting examination was slightly better than previous sessions.

The examination assessed all aspects of the syllabus and most candidates made a good attempt at the required 5 questions. In terms of performance for individual questions - the average mark exceeded 50% in all cases, with the exception of Question 3.

The format comprised of a compulsory section with three scenario based, largely computational type questions assessing the application of key concepts of the syllabus in practical situations; and a second section where the candidate was required to answer 2 out of 3 questions, which included a mainly narrative question together with other computational/theory questions.

Candidates who were well prepared presented answers in a logical and profession relevant supporting workings evident and accordingly many scored highly.

StudentBounty.com Note: The Board of Examiners was advised of the announced change to the face of the paper on the the examination. It was noted that, where an alternative answer was possible, students were given full cre their answer in all cases.

The Board took cognisance of the possible impact of these matters to ensure that students weren't unfairly disadvantaged when reaching their decision on the final grades awarded.

Question 1

This question examined the area of budgetary planning and control through the preparation of operational budgets with a focus on stock. Generally most candidates presented a number of operational budgets and gained marks accordingly. The production budget presented in some instances included all production costs, rather than focusing on production requirement quantities. Errors did occurring in relation to stock calculations included incorrect opening or closing stock calculations. Some candidates did not recognise or deal with the % loss of production. Part (b) required a job cost calculation and while the majority correctly presented this on a unit basis as required by the question, some presented a total contribution calculation.

Question 2

This question dealt with the marginal costing technique of breakeven analysis and required a number of calculations relative to the information provided. It was good to note that most candidates had knowledge of this area and were able to apply it to an extent. A small number of candidates used €/£60 as the total production cost, rather than the unit production cost as stated. Solutions to part (a) in a small number of scripts were presented as the total projected profit for sales of 750 units rather than the required three individual calculations for 500, 200 and 50 units respectively. In some cases the answer was presented in units when a monetary profit figure was required. Candidates should be careful to read the guestion requirements and answer accordingly. Generally it seemed that the calculations required in parts (b) and (d) posed more difficulties. The theory section in part (b) was generally well answered.

Question 3

This question examined the management accounting systems of traditional absorption costing and activity based costing and the poorest overall performance on the paper. This was mainly attributable to a number of errors and the fact that in quite a number of cases the comparison was not carried out as only one costing approach was presently (normally ABC). There was considerable confusion between the two methods and some presented the same results for both approaches. In many instances the calculations focused only on the overhead costs and ignored the direct materials and direct labour information provided for the costing in one or both costings. Some scripts did not provide calculations per unit, but rather presented a total cost or total overhead analysis only. Part (b) relating to the theory was generally better answered illustrating that candidates had some knowledge of the differences but were not able to apply this in the question.

Question 4

StudentBounty.com In keeping with performance at previous sessions, performance on this subject was good although part (b) dealing specifically with the fixed overhead variances did cause problems for quite a number of candidates. The marking schedule awarded marks for knowledge of the subject that could be demonstrated in providing the variance formulae and the further marks for its application using the information provided.

Question 5

This was a straightforward narrative type question requiring a briefing note on the role of the management accountant, how they can support decision making and discussing strategic planning and budgeting. It was good to note that this question was attempted by a good number of candidates and most made a good attempt at dealing with these points, with the standard of presentation and content varying. Some presented a comparison between management and financial accounting, which contained some relevant points but was not tailored to answer the question. A number of submissions described strategic planning as being short term, rather than medium to long term. It is useful to consider the organisation of the solution of narrative question to ensure that each aspect of the requirements is clearly responded to, rather than an extensive narrative on all related theory aspects. Bullet points can be used for presentation in the context of such a report and examples are very useful in practically demonstrating knowledge of the subject.

Question 6

This question examined costing of materials with reference to decision making. It required the use of various methods of stock valuation and some candidates did not see past the issue of stock valuation and simply presented these calculations and did attempt to calculate the gross profit as required by the question. Accordingly candidates only attracted some of the marks available. Some errors were made in relation to dealing with opening stock and some solutions saw the closing stock deducted sales to give the gross profit, rather than the cost of sales calculation. The solutions offered for part (b) varied but marks were awarded for relevant discussion. Overall this question attracted the highest average mark on the paper.