



2011 Accounting

Higher – Solutions

Finalised Marking Instructions

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Question 1

Restaurant Trading and Profit and Loss Account for year ending 31 December Year 11 ✓

	£000		£000	
Sales			65	(1)
<u>Less Cost of Sales</u>				
Opening Stock	12			
1 1				
Add Purchases (30 – 5 + 4)	29	(2) (1)		
	41			
less Closing Stock	10		31	
GROSS PROFIT			34	
<u>Less Expenses</u>				
Restaurant Staff Wages	25	(1)		
Electricity (7 + 1 (1) – 2 (1)) × (1/3) (1)	2	(3)		
Depreciation: Fittings (10% × 10)	1	(1)	28	
PROFIT ON RESTAURANT ✓			6	
				(9)

Income and Expenditure Account for year ended 31 December Year 11 ✓

	£000		£000	
Income				
Subscriptions	54	(5)		
Hire of Lockers	2	(1)		
Profit On Raffle (5 – 2)	3	(2)		
Profit on Restaurant	6	(1)	65	
Less Expenditure				
Loss on Dance (7-9)	2	(2)		
Secretary's Honorarium	3	(1)		
Loan Interest (5 – 3 (1) + 2 (1))	4	(2)		
Electricity (7 + 1 – 2) × (2/3)	4	(1)		
Insurance	2	(1)		
General Expenses	4	(1)		
Depreciation: Clubhouse Fittings (10% × 30)	3	(2)		
Depreciation: Tennis Equipment (3 + 6 – 7)	2	(2)		
Groundsman's Wages	18	(1)	42	
SURPLUS OF INCOME ✓			23	
				(22)

Subscriptions

Received	70	
Less Arrears – Year 10	<u>2</u>	(1)
	68	
+ in advance – Year 10	<u>3</u>	(1)
	71	
+ arrears – Year 11	<u>5</u>	(1)
	76	
- in advance – Year 12	<u>4</u>	(1)
	72	
- 25% capitalised	<u>18</u>	(1)
	<u>54</u>	(5)

Balance Sheet as at 31 December Year 11 ✓

	£000		£000	
<u>Fixed Assets</u>				
Clubhouse			100	(1)
Clubhouse Fittings (30 – 3)			27	(1)
Restaurant Fittings (10 – 1)			9	(1)
Tennis Equipment			<u>7</u>	(1)
			143	
<u>Current Assets</u>				
Restaurant Stocks	10	(1)		
Electricity Prepaid	2	(1)		
Subs in arrears	5	(1)		
Cash/Bank (5 + 149 – 131)	<u>23</u>	(2)		
	<u>40</u>			
<u>Less Current Liabilities</u>				
Restaurant Purchases Creditors	4	(1)		
Loan Interest accrued	2	(1)		
Subs in advance	<u>4</u>	(1)		
	<u>10</u>		<u>30</u>	
			<u>173</u>	
Accumulated Fund			72	(3)
Add Surplus of Income			23	(1)
Add Subs capitalised			<u>18</u>	(2)
			113	
Loan (80 – 20)			<u>60</u>	(1)
			<u>173</u>	
				(19)

Calculation of Accumulated fund at 1 January Year 11

<u>Assets</u>	<u>£000</u>		<u>Liabilities</u>	<u>£000</u>	
Clubhouse	100		Subs in advance	3	
Clubhouse Fittings	30		Creditors	5	
Restaurant Fittings	10		Loan Interest due	3	
Tennis Equipment	3		Loan	<u>80</u>	
Restaurant Stocks	12				
Cash/Bank	5				
Electricity prepaid	1				
Subs in arrears	<u>2</u>				
	<u>163</u>			<u>91</u>	

Accumulated Fund: 163 – 91 = 72

(3)

(50)

Question 2

Evans and Jones

Manufacturing Account for year ended 31 December Year 2 ✓

	£000		£000		
Raw Materials					
Opening Stock: Raw Materials	30	(1)			
Add Purchases	200	(1)			
	230				
Carriage on Raw Materials	5	(1)			
	235				
Less Closing Stock	35	(1)			
COST OF RAW MATERIALS CONSUMED ✓			200		
Add Direct Costs					
Direct Wages (50% × 300)	150	(1)			
Royalties	30	(1)	180		
PRIME COST ✓			380		(6)
Add Factory Overheads					
Depreciation: Plant and Machinery 20% × (60 – 25)	7	(2)			
Indirect Factory Wages (30% × 300)	90	(1)			
Factory Insurance (2/3 × (12 – 3))	6	(2)			
Electricity (3/4 × (20 + 4))	18	(2)	121		
			501		
Add Work-in-Progress at start			10	(1)	
			511		
Less Work-in Progress at end			15	(1)	
COST OF GOODS MANUFACTURED ✓			496		
Profit on Manufacturing ✓			56	(2)	
MARKET VALUE OF GOODS MANUFACTURED ✓			552	(1)	(12)

**Trading and Profit and Loss and Appropriation Account for year ended 31 December
Year 2 ✓**

	£000		£000	
Sales		(1)	700	
Stock of Finished Goods at start	40	(1)		
Add Market Value	552	(2)		
Warehouse Expenses	<u>6</u>	(1)		
	598			
Less Closing Stock: Finished Goods	<u>45</u>	(1)		
COST OF SALES			553	(6)
GROSS PROFIT ✓			147	
Add Profit on Manufacturing			<u>56</u>	(2)
			203	
Less Expenses				
Insurance ($1/3 \times 9$)	3	(1)		
Electricity ($1/4 \times 24$)	6	(1)		
Office and Selling Expenses	11	(1)		
Office Wages ($20\% \times 300$)	60	(1)		
Interest on Overdraft	2	(1)		
Increase in Provision for Bad Debts ($3 - 2$)	<u>1</u>	(2)	83	
NET PROFIT ✓			120	(9)
Less Appropriations				
Add Interest on Drawings				
Evans	1	(1)		
Jones	2	(1)	3	
			123	
Less Interest on Capital				
Evans	2	(1)		
Jones	3	(1)	5	
			118	
Less Salary – Evans			<u>8</u>	(1)
RESIDUAL PROFIT			110	
Share of Profit				
Evans ($2/5 \times 110$)	44	(2)		
Jones ($3/5 \times 110$)	<u>66</u>		110	(7)

(40)

Question 3

PART A

(a)	(i)	Net Profit	$25\% \times 80,000 = 20,000$	(1)
	(ii)	Gross Profit Ratio	$\text{Gross Profit} = \text{Net Profit} + \text{Expenses}$ $= 20,000 + 16,000 = 36,000$ 1	
			$\text{Gross Profit Ratio} = 36/80 \times 100 = 45\%$ 1	(2)
	(iii)	Mark-up Ratio	$\text{Gross Profit/Cost of Sales} \times 100$ 1 $36/44 \times 100 = 81.8\%$ 1	(2)
	(iv)	Rate of Stock Turnover	$\text{Cost of Sales/Average Stock}$ $44/11 = 4 \text{ times}$ 2	(2)
	(v)	Expenses Ratio	$\text{Expenses/Sales} \times 100$ $16/80 \times 100 = 20\%$ 2	(2)
	(vi)	Debtors' Collection Period	$\text{Average Debtors/Credit Sales} \times 365$ $\text{Credit Sales} = 75\% \times 80 = 60$ 1 $6/60 \times 365 = 36.5 \text{ (days)}$ 2	(3)
	(vii)	Return on Capital Employed	$\text{Net Profit/Capital} \times 100$ $20/50 \times 100 = 40\%$ 2	(2)
				(14)

Question 3 (continued)

- (b) (i) Cost of Sales $\text{ROST} = \text{COS} / \text{Average Stock}$
 $\text{COS} / 15 = 6$
 $\text{COS} = 15 \times 6 = \text{£}90,000$ **2** **(2)**
- (ii) Sales $\text{Gross Profit} = 40\% \times \text{Sales}$
 $\text{Cost of Sales} = 60\% \times \text{Sales}$
 $\text{£}90,000 \times 100 / 60$
 $\text{Sales} = \text{£}150,000$ **2** **(2)**
- (iii) Gross Profit $\text{Gross Profit} = 40\% \times \text{£}150,000 = \text{£}60,000$
Or
 $150,000 - 90,000 = \text{£}60,000$ **(1)**
- (iv) Purchases $\text{Purchases} + \text{Opening Stock} - \text{Closing Stock} = \text{Cost of Sales}$

 $\text{Average Stock} = 15,000 \times 2 = \text{£}30,000$
 $\text{£}30,000 - \text{Opening Stock} = \text{Closing Stock}$
 $30,000 - 11,000 = \text{£}19,000$ **2**

 $\text{Purchases} = 90,000 - 11,000 + 19,000 = \text{£}98,000$ **2** **(4)**
- (v) Net Profit $\text{Gross Profit} - \text{Expenses} = \text{Net Profit}$
 $60,000 - (18\% \times 150) = \text{£}33,000$ **2** **(2)** **(11)**
- (c) **Ways of reducing Gross Profit Ratio:**

Decrease in Selling Price **2** **(2)**

PART B

(a) Calculation of Total Depreciation

Asset	Year 1	Year 2	Year 3	Total
Motor Vehicles	$9/12 \times 20\% \times £15,000$	$20\% \times £15,000$	$6/12 \times 20\% \times £15,000$	
	£2,250 (2)	£3,000 (1)	£1,500 (2)	<u>£6,750</u>

OR

$$3000 (1) + 3000 (1) + 750 (3) = \text{£6,750}$$

Plant/Machinery	nil	$6/12 \times 10\% \times £20,000$	$9/12 \times 10\% \times (£20,000 - £1,000)$	
		£1,000 (2)	£1,425 (2)	<u>£2,425</u> (9)

(b) Profit/Loss on sale of Motor Vehicles

$$\text{Net Book Value} = £15,000 - \overset{(1)}{£6,750} = £8,250$$

$$\text{Selling Price} - \text{Net Book Value} = £7,000 - \overset{(1)}{£8,250} = \overset{(1)}{£1,250} \text{ LOSS} \quad (4) \quad (40)$$

Question 4

(a) (i) Preference Shares

- First to receive any dividend
- Dividends are a fixed rate
- First to be repaid capital
- No voting rights at AGM
- Dividends can be cumulative
- Shares can be redeemable
- Less risky investment

Ordinary Shares

- Last to receive any dividend
- Dividends are at a variable rate
- Last to be repaid capital
- Voting rights at AGM
- Dividends not cumulative
- Shares are non-redeemable
- More risky investment

1 mark per line to a maximum of 4

(ii) Bonus Issue (Scrip Issue)

Shares are allotted free **(1)**
Can be financed by share premium **(1)**
Bonus encourages loyalty **(1)**

Rights Issue

Shares are allotted for purchase **(1)**
At a discounted price **(1)**
Raises capital/finance **(1)**

4 marks

(b) Capital Expenditure

Purchase of an asset for long term use eg
Machinery, Buildings etc **(1)**

Revenue Expenditure

Payment of any short term expense eg
Wages, Rent etc **(1)**

Maximum – 2 marks

(10)

Question 5

(a) PROCEDURES FOR ADMISSION OF NEW PARTNER

- Revaluation of assets to show true value (1)
- Sharing of any profit or loss on revaluation among existing partners (1)
- Valuation of goodwill (1)
- Sharing of any goodwill among existing partners (1)
- Goodwill can be written off between the new partnership (1)
- Revision of the partnership agreement to include the financial (1) details of the new partner: capital, drawings, interest on each, salary, premium for goodwill, and the new profit sharing ratio (1 max)

Maximum – 4 marks

(b) (i) Share Premium

This is the difference between the issue price and nominal value of a share where the issued price is higher (1)

The premium must be shown in the Balance Sheet as a reserve (1) which is not available for cash distribution (1)

The Premium must be used for:

- writing off preliminary and issue expenses
- making bonus issue of shares
- writing off discount on shares
- writing off premium paid on redemption of redeemable preference shares
- or premium on redemption of ordinary shares under certain circumstances (max 1)

Maximum – 3 marks

(ii) Articles of Association

One of the 2 main legal documents to be lodged with the Registrar of Companies (1) when wishing to incorporate a limited company.

Deals with the internal regulations for the management of the proposed company. (1)

Subordinate to, and controlled by the Memorandum of Association. (1)

Will state the way in which the company is to be administered with particular reference to:

- matters relating to the raising of capital eg borrowing powers or share allotment
- directors' remuneration and powers
- dividends and reserves
- holding of meetings
- the rights of shareholders (max 1)

Where a company does not have Articles of its own, the provisions of Table A of the companies Act becomes the Articles. (1)

Maximum – 3 marks

(10)

Question 6

PART A

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Production	2,500	2,400	1,800	2,300	1,900	1,600
Sales	2,510	2,460	1,750	2,340	1,930	1,640

Selling Price –	£
Cash Customers	18
Credit Customers (one month)	19

Cash Budget for the 3 months March to May Year 3

	<u>March</u>		<u>April</u>		<u>May</u>
Opening Balance	50,000	(1)	73,682		123,465

Receipts

Cash Sales	12,600	(1)	16,848	(1)	13,896	(1)
Credit Sales:						
1 Month	14022	(2)	9975	(2)	13338	(2)
2 Months	15060	(2)	14760	(2)	10500	(2)
Ordinary Shares	20,000	(1)				
Share Premium	10,000	(2)				
Bank Loan			60,000	(1)		
Total Receipts	71,682		101,583		37,734	

Payments

Materials	9,200	(1)	7,600	(1)	6,400	(1)
Labour	9,000	(1)	11,500	(1)	9,500	(1)
Overheads:						
One-quarter	1,800	(1)	2,300	(1)	1,900	(1)
Three-quarters	7,200	(1)	5,400	(1)	6,900	(1)
Labour Bonus	800	(1)	–		600	(1)
Fixed Costs	20,000		25,000	(1)	20,000	(1)
Equipment					80,000	(1)
Loan Repayment					5,250	(2)
Total Payments	48,000		51,800		130,550	
Closing Balance	73,682		123,465		30,649	
		(14)		(11)		(14)

(39)

PART B

RECEIPTS					ISSUES			BALANCE				
Date	Qty	Cost Per Unit	Total		Qty	Cost Per Unit	Total		Qty	Cost Per Unit	Total	
May 1									500	£4.00	£2,000	1
May 3	500	£4.20	£2,100	1					1,000	£4.10	£4,100	
May 8					600	£4.10	£2,460	2	400	£4.10	£1,640	
May 12	400	£4.40	£1,760	1					800	£4.25	£3,400	
May 15					200	£4.40	£880	2	600	£4.20	£2,520	
May 18					400	£4.20	£1,680	2	200	£4.20	£840	
May 20	1,000	£4.14	£4,140	1					1,200	£4.15	£4,980	1

11

(50)

Question 7

PART A

(a) (i) Selling Price = VC + C = £20 + £10 = £30 2

(ii) Fixed Costs = BEP × Contribution Per Unit

$$\begin{aligned} &= 6,000 \text{ units} \times £10 \\ &= £60,000 \end{aligned} \quad 2$$

(iii) Profit After Tax = £20,000

$$\begin{aligned} \text{Profit Before Tax} &= \frac{£20,000}{4} \times 5 \\ &= £25,000 \quad (2) \end{aligned}$$

$$\text{No of Extra Units to be sold} = \frac{£25,000}{£10} = 2,500 \text{ units} \quad (1)$$

Number of units to be sold = BEP + Extra units

$$= 6,000 + 2,500 = 8,500 \text{ units} \quad (1)$$

Or $\frac{£25,000 + £60,000}{£10} = 8,500 \text{ units} \quad (1)$ 5

(iv) PV Ratio = $\frac{C}{SP} \times 100 = \frac{£10}{£30} \times 100 = 33.3\% \quad (2)$ (or 1/3) 2

(b) (i) New Contribution = £30 – (£7 + £7 + £8) = £8 (1)

New Fixed Costs = 110% × £60,000 = £66,000 (1)

$$\text{BEP} = \frac{£66,000}{£8} = 8,250 \text{ units} \quad (2) \quad 5$$

(ii) Margin of Safety at 9,000 units =

$$9,000 - 8,250 = 750 \text{ units} \quad (1)$$

$$\text{Sales Value} = 750 \text{ units} \times £30 = £22,500 \quad (1) \quad 2$$

(iii) Profit/Loss on sales of 5,000 units =

$$8,250 - 5,000 = 3,250 \text{ units} \quad (1)$$

$$3,250 \times £8 = £26,000 \text{ Loss} \quad (1) \quad 2$$

Total for Part A (20)

PART B**(a) (i)****Process 3 Account**

	QTY	CPU	£			QTY	CPU	£	
Process 2	2,000 kgs	£5	10,000	1	Normal Loss	200 kgs	£4	800	1
Materials	2,000 kgs	£3	6,000	1	Abnormal Loss	300 kgs	1	£5.50	4
Labour			3,000	1	Stock	3,250 kgs		£5.50	
V Overhead			950	1	WIP	250 kgs			
F Overhead			1,000	1					
			<u>£20,950</u>					<u>£20,950</u>	12

Cost per unit: $20,950 - 800 - 625 / 3250 + 300 = £5.50$

(ii)**Abnormal Loss Account**

	QTY	CPU	£			QTY	CPU	£	
Process 3	300 kgs	£5.50	1,650	1	Bank	300 kgs	£4	1,200	2
					Profit & Loss			450	1
			<u>£1,650</u>					<u>£1,650</u>	4

(b)	Total Cost of 30 kgs = $30 \times £5.50 = £165$	1
	(Margin = 25% = $1/4$ – Mark-up = $1/3$)	
	Mark-up therefore = $1/3 \times £165 =$	£55
	Selling Price	<u>£220</u>
		3

Total for Part B (20)**Total (40)**

Alternative Solution – Question 7 PART B

(a) (i)

Process 3 Account

	DR				CR				Balance		
	Q (kgs)	P	£		Q (kgs)	P	£		Q (kgs)	P	£
Process 2	2000	£5	10,000	1					2000		10,000
Materials	2000	£3	6,000	1					4000		16,000
Labour			3,000	1							19,000
Variable Overhead			950	1							19,950
Fixed Overhead			1,000	1							20,950
Normal Loss					200	£4	800	1			20,150
Work-in Progress					250		625	1			19,525
Abnormal Loss					300	1 £5.50	2 1,650				17,875
Transfer to Stock					3250	£5.50	2 17,875				£0

Unit Cost

£19,525/3550 = £5.50

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(ii) Abnormal Loss Account

	DR				CR				Balance		
	Q (kgs)	P	£		Q (kgs)	P	£		Q (kgs)	P	£
Process 3	300	£5.50	1,650	1							1,650
Bank					300	£4	1,200	2			450
Profit and Loss							450	1			0

(b) Total Cost of 30 kgs = $30 \times £5.50 = £165$ 1

(Margin = 25% = $1/4$ – Mark-up = $1/3$)

Mark-up therefore = $1/3 \times £165 =$ £55 3

Selling Price £220 4

Total for Part B (20)

Total (40)

Question 8

(a) (i) Total machine hours at current production level:

Y = 6,000 × 2 =	12,000	1	
Z = 4,500 × 4 =	18,000	1	
	30,000	machine hours	2

(ii)

	<u>Product Y</u>			<u>Product Z</u>		
	£		£	£		£
Selling Price				50	1	70
Less Variable Costs:				1		
Materials	10	1		6		
Labour	20			40		
Overheads	6	1		12	1	58
Contribution per unit				14		12

	<u>Product Y</u>			<u>Product Z</u>			<u>Total</u>
	1			1			
Total Contribution			£14 × 6,000 =			£12 × 4,500 =	£138,000
			£84,000			£54,000	
Less Fixed Costs							50,000 1
Total Profit							<u>£88,000</u> 3

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ALTERNATIVE

	Y		Z		Total
Sales			300,000	1	315,000
Materials	60,000	1	27,000		
Labour	12,000	1	180,000		
Overheads	36,000	1	54,000	1	261,000
			84,000	1	54,000
					138,000
					50,000 1
					<u>88,000</u>

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(b) (i) No of hours at full Capacity = $\frac{30,000}{75} \times 100 = 40,000$ machine hours **2**

(ii)

	<u>Product Y</u>		<u>Product Z</u>	
Contribution per Machine Hour =	$\frac{£14}{2}$	2	$\frac{£12}{4}$	2
=	£7		£3	
Order of priority	First		Second	1
Total Machine Hours available:				40,000
Less: Hours allocated to Y (8,000 × 2)				<u>16,000</u>
Available for Z				<u>24,000</u> 2
Number of units to be produced:	$\frac{16,000}{2}$	1	$\frac{24,000}{4}$	1
=	8,000 units		6,000 units	9

(iii)		<u>Product Y</u>		<u>Product Z</u>		<u>Total</u>	
Total Contribution		£14 × 8,000	1	£12 × 6,000	1	£184,000	
		£112,000		£72,000		£184,000	
(iv)	Less	Fixed Costs				<u>60,000</u>	2
	Maximum Profit					<u>£124,000</u>	4

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ALTERNATIVE

	<u>Y</u>			<u>Z</u>			<u>Total</u>	
Sales			400,000			420,000		
Materials	80,000			36,000				
Labour	160,000			240,000				
Overheads	48,000		288,000	72,000		348,000		
			112,000	1		72,000	1	184,000
						Fixed Costs		60,000 2
						Profit		124,000
								4

(c) Machine hours now available:
 Hours per machine = $\frac{40,000}{5} = 8,000$ hours
 2 140% × 40,000 = 56,000 machine hours 2

Product A:	£		£	
Selling Price				£60
Materials		6	1	
Labour		30		
Variable Overheads		9	1	45
Contribution per unit				<u>£15</u>

Contribution per
 Machine Hour = $\frac{£15}{3} = £5$ 1

Order of Priority: Y, A, Z

	<u>Product Y</u>		<u>Product A</u>		<u>Product Z</u>		<u>Total</u>	
Machine Hours Allocated	<u>16,000</u>		<u>21,000</u>		<u>19,000</u>		56,000	
	2		3		4			
Quantity to be produced:	8,000 1		7,000 2		4,750 2			
	× £14		× £15		× £12			
Total Contribution:	£112,000 1		£105,000 1		£57,000 1		£274,000	
Less Fixed Costs							<u>90,000</u> 2	
Maximum Profit for Year 3							<u>£184,000</u> 13	15
							Total	(40)

ALTERNATIVE

	<u>Y</u>		<u>A</u>		<u>Z</u>		<u>TOTAL</u>	
Sales		400,000		420,000		332,500		
Materials	80,000		42,000		28,500			
Labour	160,000		210,000		190,000			
Overheads	48,000	288,000	63,000	315,000	57,000	275,500		
		112,000 1		105,000 1		57,000 1	274,000	
							90,000 2	
							184,000	5

Question 9

- (a) **Allocation** – takes place when the overhead cost can be identified with a particular department **1** it is a cost which is unique to that particular department **1** and the department is charged with the actual overhead it has incurred **1** eg indirect materials **1**.

(Max 2)

Apportionment – takes place when the overhead cost cannot be identified with a particular department **1**. Each department is charged with its share of the total overhead using an equitable basis **1** eg Rent according to floor area occupied by each department **1**.

(Max 2)

Cost Centre – any part of a business where production takes place **1** and to which costs can be charged **1** eg department, item of equipment, machine or person **1**. Cost centres are used to collect overheads for charging on to products which use the cost centre **1**.

(Max 2)

(6)

- (b) (Rate Per) Direct Labour Hour = **1** $\frac{\text{Overhead Cost}}{\text{No of Direct Labour hours}}$ **1**
- (Rate Per) Machine Hour = **1** $\frac{\text{Overhead Cost}}{\text{No Of Machine Hours}}$ **1**
- (Rate Per) Unit Produced = **1** $\frac{\text{Overhead Cost}}{\text{No of Units Produced}}$ **1**
- Percentage of Prime Cost = **1** $\frac{\text{Overhead Cost} \times 100}{\text{Prime Cost}}$ **1**
- Percentage of Direct Material Cost = **1** $\frac{\text{Overhead Cost} \times 100}{\text{Direct Material Cost}}$ **1**
- Percentage of Direct Labour Cost = **1** $\frac{\text{Overhead Cost} \times 100}{\text{Direct Labour Costs}}$ **1**

Any 2 for 2 Marks Each

(Max 4) (4)

(10)

Question 10

(a) Advantages

Use of formulae to calculate figures
Can show the effects of “what if” scenarios in, for example, Cash Budgets.
Changes to any data in the spreadsheet is updated automatically due to the use of formulae.
Accuracy, providing data and formulae are entered correctly.
Graphs and charts to make information clearer.
Use of multiple worksheets to link statements.
Use of templates from year to year.

Any 4 for 1 mark each – Max 4 (4)

(b) (i) **Opportunity Cost**

This arises when a firm is working at full capacity and proposes to introduce a new product. **(1)**

This would involve a reduction in the amount which could be made of an existing product. **(1)**

The opportunity cost represents the amount of contribution lost by making less of the existing product. **(1)**

The actual cost of making the new product will include the ‘extra’ or opportunity cost equal to the contribution lost. **(1)**

Max 3

(ii) **Semi-Variable Cost**

A semi-variable cost includes an element of both fixed and variable costs. **(1)**

Normally the fixed element is in the form of a standing charge **(1)** while the variable element depends on usage. **(1)**

Examples include bills for gas, electricity and the telephone. **(1 max)**

Max 3 (6)

(10)

[END OF MARKING INSTRUCTIONS]