



AN ROINN | DEPARTMENT OF  
OIDEACHAIS | EDUCATION  
AGUS EOLAÍOCHTA | AND SCIENCE

*Scéimeanna Marcála*

*Scrúduithe Ardteistiméireachta, 2001*

*Cuntasaíoch*

*Ardleibhéal*

*Marking Scheme*

*Leaving Certificate Examination, 2001*

*Accounting*

*Higher Level*

# **LEAVING CERTIFICATE ACCOUNTING**

## **MARKING SCHEME FOR THE 2001 EXAMINATION**

### **INTRODUCTION**

The solutions and marking schemes for Accounting, Higher and Ordinary levels, are attached.

The solutions are printed and the marks allocated to each line/figure are highlighted and shown in a circle like this ⑥ alongside. These marks are then totalled for each section/page and shown in a square like this 40.

Accounting solutions are mainly computational and most figures are made up of more than one component. If a figure is wrong per the solution, the examiners analyse the make-up of the candidate's figure and allocate some marks for each correct element included. To facilitate this, where relevant, the make-up of the figures is shown in workings attached to the solution.

In some Accounting questions there can be a number of alternative approaches and formats that can be validly used by candidates (eg A Bank Reconciliation Statement can start with either the bank statement figure or the adjusted bank account balance). The solutions provided here are based on the approaches adopted by the vast majority of teachers/candidates and alternatives are not included. In cases where a valid alternative solution is required, it is provided for the examiners, so that full marks can be gained for correct accounting treatment.

Sometimes the solution to a part of a question may depend on the answer computed in another part of that question. Where their calculation in Section (a) is incorrect, but this inaccurate information is used in the answer to Section (b), examiners give credit for analysis/decisions correctly made by the candidate on the basis of the incorrect data in this section. In this way, candidates are not penalised twice for the same error.

## Accounting 2001 - Higher Level

### Question 1 - Final Accounts including a Manufacturing Account.

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(a)

#### **Manufacturing Account of Quinn Ltd. for the year ended 31/12/2000**

		£	
Opening stock of raw materials		41,000	②
Purchases of raw materials	W 1	<u>44,900</u>	⑦
		485,900	
Less Closing stock of raw materials	W 2	<u>60,000</u>	⑤
Cost of raw materials consumed		425,900	
Manufacturing wages	W 3	<u>127,200</u>	④
<b>Prime cost</b>		<b>553,100</b>	
<i>Factory Overheads</i>			
General factory expenses	W 4	63,100	⑤
Depreciation-plant & machinery		49,500	④
Depreciation-buildings		<u>10,800</u>	⑤
		123,400	
<b>Factory cost</b>		<b>676,500</b>	
Work in progress 1/1/2000		<u>36,000</u>	①
		712,500	
Less Work in progress 31/12/2000		<u>42,000</u>	①
		670,500	
Less Sale of scrap materials		3,500	②
Profit on sale of machinery	W 5	<u>750</u>	④
		4,250	
<b>Cost of manufacture</b>		<b><u>666,250</u></b>	

#### **Trading, Profit and Loss Account of Quinn Ltd for the year ended 31/12/2000.**

		£	
Sales	W 6	810,500	⑦
Stock of finished goods 1/1/2000		64,500	②
Cost of goods produced		<u>666,250</u>	③
<i>Total available for sale</i>		730,750	
Less Stock of finished goods 31/12/2000	W 7	<u>89,200</u>	④
<i>Cost of goods sold</i>		641,550	
<b>Gross profit</b>		<b>168,950</b>	
<i>Less Expenses</i>			
<i>Administration expenses</i>			
Administration expenses		43,000	②
<i>Selling and Distribution expenses</i>			
Selling expenses		<u>29,400</u>	②
		72,400	
Operating profit		96,550	
Debenture interest		<u>10,800</u>	④
		85,750	
<b>Net profit before taxation</b>		<b>85,750</b>	
Taxation on profit		<u>24,000</u>	①
		61,750	
<b>Profit after taxation</b>		<b>61,750</b>	
Interim dividends (6,000 + 20,500)		26,500	③
Proposed dividends (6,000 + 17,500)		23,500	③
		50,000	
Retained profit		11,750	
Profit and loss balance at 1/1/2000		<u>45,500</u>	①
<b>Profit and loss balance at 31/12/2000</b>		<b><u>57,250</u></b>	③

**Question 1- (continued)**

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(b)

**Balance Sheet of Quinn Ltd as at 31/12/2000**

**Fixed Assets**

<b>Tangible assets</b>		<b>Cost</b>	<b>Aggregate Depreciation</b>	<b>Net</b>	<b>Total</b>
Land and Buildings	W 8	② 660,000		660,000	
Plant and machinery	W 9, 10	② <u>235,000</u>	③ <u>105,750</u>	<u>129,250</u>	
		<u>895,000</u>	<u>105,750</u>	<u>789,250</u>	789,250

**Current Assets**

Stock: Raw materials		② 60,000			
Work in progress		② 42,000			
Finished goods		② <u>89,200</u>		191,200	
Debtors	W 11			⑥ <u>74,900</u>	
					266,100

**Creditors: amounts falling due within 1 year**

Trade Creditors	W 12	④ 69,200			
VAT		② 16,400			
Debenture interest due		④ 10,800			
Taxation		② 24,000			
Bank		② 9,400			
Dividends		⑤ <u>23,500</u>		<u>153,300</u>	
<i>Net current assets</i>					<u>112,800</u>
					<u>902,050</u>

**Financed by**

**Creditors: amounts falling due after more than 1 year**

8% Debentures					① 150,000
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**Capital and Reserves**

		<b>Authorised</b>	<b>Issued</b>	
Issued ordinary shares of £1 each		650,000	① 380,000	
8% Preference shares of £1 each		<u>300,000</u>	① <u>200,000</u>	
		<u>950,000</u>	580,000	
Revaluation reserve	W 13		④ 114,800	
Profit and loss account			<u>57,250</u>	<u>752,050</u>
				<u>902,050</u>

### Question 1 - (continued)

#### Workings

1	Purchases of raw materials	$(461,900 + 11,000 - 28,000)$	444,900
2	Closing stock Raw Materials	$(49,000 + 11,000)$	60,000
3	Manufacturing wages	$(149,200 - 22,000)$	127,200
4	Factory Overheads	$(62,500 + 600)$	63,100
5	Profit on sale of machinery	$25,000 - 23,750 - 2,000$	750
6	Sales	$(821,500 - 2,000 - 9,000)$	810,500
7	Closing stock Finished Goods	$(82,000 + 7,200)$	89,200
8	Land & Buildings	$550,000 + 50,000 + 60,000$	660,000
	Depreciation Land & Buildings	$44,000 + 10,800 - 54,800$	
9	Machinery	$260,000 - 25,000$	235,000
10	Provision for Depreciation - Machinery	$(80,000 + 49,500 - 23,750)$	105,750
11	Debtors	$(84,500 - 9,000 - 600)$	74,900
12	Creditors	$(58,200 + 11,000)$	69,200
13	Revaluation Reserve	$(60,000 + 10,800 + 44,000)$	114,800

Question 2 - Tabular Statement.

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	1/1/2000	January	February	March	April	May	July	Dec	Total
	£	£	£	£	£	£	£	£	£
<b>Assets</b>									
Goodwill			① 10,000						10,000
Land and Buildings	350,000	② 130,000	③ 120,000						600,000
Accumulated Depreciation	(28,000)	② 28,000					③ (10,200)		(10,200)
Delivery Vans	65,000		③ 44,000		② 12,000				121,000
Accumulated Depreciation	(26,000)				② 9,600			② (20,000)	(36,400)
Stock	63,700			③ (2,500)					61,200
Debtors	52,600					③ 750			53,350
Insurance A/c (Prepaid)	700					③ 1,800	③ (1,750)		750
<b>TOTAL</b>	<b>466,300</b>	<b>158,000</b>	<b>174,000</b>	<b>(2,500)</b>	<b>21,600</b>	<b>1,800</b>	<b>750</b>	<b>(31,950)</b>	<b>799,700</b>
<b>Liabilities</b>									
Creditors	51,500		② 24,000	② (2,250)					73,250
Wages due	2,800								2,800
Share Capital	300,000		② 120,000						420,000
Share Premium	36,000		② 30,000						66,000
Bank	11,700				③ 20,500	③ 1,800	③ (500)		33,500
Revaluation Reserve		③ 158,000							158,000
Profit and Loss	76,000			① (250)	① 1,100	① 1,250	① 1,750	② (30,200)	② 46,150
<b>TOTAL</b>	<b>466,300</b>	<b>158,000</b>	<b>174,000</b>	<b>(2,500)</b>	<b>21,600</b>	<b>1,800</b>	<b>750</b>	<b>(31,950)</b>	<b>799,700</b>

**Question 3 – Revaluation of Fixed Assets**

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**Buildings Account**

		£			£
1/1/96	Balance b/d	② 350,000			
1/1/96	Revaluation Res.	② <u>130,000</u>	31/12/96	Balance c/d	480,000
		<u>480,000</u>			<u>480,000</u>
1/1/98	Balance b/d	① 480,000	31/12/98	Balance c/d	800,000
1/1/98	Bank	② 240,000			
	Bank	② 60,000			
	Wages	② <u>20,000</u>			
		<u>800,000</u>			<u>800,000</u>
1/1/99	Balance b/d	800,000	31/12/99	Balance c/d	880,000
1/1/99	Revaluation Res	② <u>80,000</u>			
		<u>880,000</u>			<u>880,000</u>
1/1/00	Balance b/d	880,000	1/1/00	Disposal	④ 528,000
1/1/00	Revaluation Reserve	④ <u>48,000</u>	31/12/00	Balance c/d	400,000
		<u>928,000</u>			<u>928,000</u>

**Provision for Depreciation on Buildings Account**

		£			£
1/1/96	Revaluation Res.	② 56,000	1/1/96	Balance b/d	④ 56,000
31/12/96	Balance c/d	<u>9,600</u>	31/12/96	Profit and Loss	② <u>9,600</u>
		<u>65,600</u>			<u>65,600</u>
31/12/97	Balance c/d	19,200	1/1/97	Balance b/d	9,600
		<u>19,200</u>	31/12/97	Profit and Loss	② <u>9,600</u>
					<u>19,200</u>
31/12/98	Balance c/d	35,200	1/1/98	Balance b/d	19,200
		<u>35,200</u>	31/12/98	Profit and Loss	② <u>16,000</u>
					<u>35,200</u>
1/1/99	Revaluation Res.	② 35,200	1/1/99	Balance c/d	35,200
31/12/99	Balance c/d	<u>17,600</u>	31/12/99	Profit and Loss	② <u>17,600</u>
		<u>52,800</u>			<u>52,800</u>
1/1/00	Disposal	② 10,560	1/1/00	Balance b/d	17,600
1/1/00	Revaluation Res.	④ 7,040	31/12/00	Profit and Loss	② 8,000
31/12/00	Balance c/d	<u>8,000</u>			
		<u>25,600</u>			<u>25,600</u>
			1/12/01	Balance b/d	8,000

**Question 3 - (continued)**

**Disposal of Buildings Account**

		£			£
1/1/00	Buildings	② 528,000	1/1/00	Depreciation	② 10,560
31/12/00	P & L (Profit)	① <u>32,560</u>	1/1/00	Bank	② <u>550,000</u>
		<u>560,560</u>			<u>560,560</u>

**Revaluation Reserve Account**

		£			£
1/1/00	Revenue reserve	① 262,800	1/1/96	Land and Buildings	① 130,000
				Provision for Dep	① 56,000
			1/1/99	Land and Buildings	① 80,000
				Provision for Dep	① 35,200
			1/1/00	Land and Buildings	① 48,000
				Provision for Dep	① 7,040

**Revenue Reserve Account**

		£
1/1/00	Revenue res-buildings	① 262,800



**New Presentation of Cash Flow as required for Statements relating to periods from 23/3/1997**

**Question 4 - Cash Flow Statement**

(a)	<b>Reconciliation of operating profit to net cash flow from operating activities:</b>		<b>20</b>
	Operating profit		④ 177,000
	Depreciation charges for year	W 1	④ 39,000
	Profit on sale of fixed assets	W 2	④ (5,000)
	Increase in stocks		② (35,000)
	Increase in debtors		② (25,000)
	Increase in creditors		② 32,000
	Net cash inflow from operating activities		② <u>183,000</u>

(b)	<b>Cash Flow Statement of Quality Plc for the year ended 31/12/2000</b>		<b>32</b>
	<b>Operating Activities</b>		<b>£</b>
	Net cash inflow from operating activities		② 183,000
	<b>Returns on investments and servicing of finance ①</b>		
	Interest paid		② (7,000)
	<b>Taxation ①</b>		
	Corporation tax paid		③ (95,000)
	<b>Capital expenditure and financial investment ①</b>		
	Investments	② (40,000)	
	Payments to acquire tangible fixed assets	④ (90,000)	
	Receipts from sale of fixed assets	② <u>61,000</u>	(69,000)
	<b>Equity dividends paid</b>		
	Dividends paid during year	W 3	③ (42,000)
	Net cash outflow before liquid resources and financing		(30,000)
	<b>Financing ①</b>		
	Repayment of debentures	② (40,000)	
	Receipts from issue of shares	② 80,000	
	Receipts from share premium	② <u>20,000</u>	60,000
	<b>Increase in cash ②</b>		<u>30,000</u>

	<b>Reconciliation of net cash flow to movement in net debt</b>		<b>£</b>
	Increase in cash during period		① 30,000
	Cash used to purchase debentures		<u>40,000</u>
	Change in net debt		70,000
	Net debt at 1/1/2000		<u>80,000</u>
	Net debt at 31/12/2000		① <u>(10,000)</u>

(c)	Credit sales affect profit but do not affect cash ④	<b>8</b>
	Non-cash losses and gains affect profit but not cash ④	
	Purchase and sale of fixed assets by cash affect cash but not profit	
	Introduction or withdrawal of capital in cash affect cash but not profit	

**Old Presentation of Cash Flow Statement on next page**

**Question 4 - Cash Flow Statement - Old Presentation**

(a)

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**Reconciliation of operating profit to net cash flow from operating activities:**

		£
Operating profit		④ 177,000
Depreciation charges for year	W 1	④ 39,000
Profit on sale of fixed assets	W 2	④ (5,000)
Increase in stocks		② (35,000)
Increase in debtors		② (25,000)
Increase in creditors		② <u>32,000</u>
Net cash inflow from operating activities		② <u>183,000</u>

(b)

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**Cash Flow Statement of Quality Plc for the year ended 31/12/2000**

		£
<b>Operating Activities</b>		
Net cash inflow from operating activities		② 183,000
<b>Returns on investments and servicing of finance ①</b>		
Interest paid		② (7,000)
Dividends paid during year	W 3	③ <u>(42,000)</u> (49,000)
<b>Taxation ①</b>		
Corporation tax paid		③ (95,000)
<b>Investing Activities ①</b>		
Investments		② (40,000)
Payments to acquire tangible fixed assets		④ (90,000)
Receipts from sale of fixed assets		② <u>61,000</u> (69,000)
Net cash outflow before financing	②	(30,000)
<b>Financing ①</b>		
Repayment of debentures		② (40,000)
Receipts from issue of shares		② 80,000
Receipts from share premium		② <u>20,000</u> 60,000
<b>Increase in cash</b>	②	<u>30,000</u>

(c)

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Credit sales affects profit but does not affect cash	④
Non-cash losses and gains affect profit but not cash	④
Cash purchase and sale of fixed assets affect cash but not profit	
Introduction or withdrawal of capital affect cash but not profit	

## Question 4 - continued

### *Workings*

**(1) Depreciation**

Depreciation provision on machinery at 31/12/2000	170,000
Less Depreciation provision on machinery at 1/1/2000	<u>140,000</u>
Decrease in provision	30,000
Depreciation on buildings	<u>9,000</u>
<i>Depreciation for year</i>	<u>39,000</u>

**(2) Profit on disposal of fixed assets**

Cost of buildings disposed	60,000
Depreciation on disposed buildings	<u>4,000</u>
Book value	56,000
<i>Profit on disposal of fixed assets</i>	<u>5,000</u>
Amount received for buildings	<u>61,000</u>

**(3) Dividends paid**

Dividends due at 31/12/1999	30,000
Add interim dividends 2000	<u>12,000</u>
Amount paid during 2000	<u>42,000</u>

**(4) Taxation**

Taxation due 31/12/1999	65,000
Taxation for year 2000	<u>80,000</u>
	145,000
Less taxation due 31/12/2000	<u>50,000</u>
Taxation paid	<u>95,000</u>

**Question 5 – Interpretation of Final Accounts**

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(a)

<b>Interest cover</b>	<u>Net profit before interest</u> Interest	=	$\frac{65,000}{15,000}$	=	4.3 times ⑧
<b>Earnings per share</b>	<u>Net profit after Pref Div</u> Number of ordinary shares	=	$\frac{46,000}{350,000}$	=	13.1p ⑧
<b>Opening stock</b>	<u>Cost of sales</u> Average stock	= 15	= $\frac{690,000}{15 \times \text{Av stock}}$		
	Average stock	=	46,000		
	Opening stock	=	(46,000 x 2) less 47,000	=	£45,000 ⑨
<b>Period to recoup share</b>	<u>Market price</u> Earnings per share	=	$\frac{200\text{p}}{13.14\text{p}}$	=	15.2 years ⑨
<b>Dividend Yield</b>	<u>Dividend per share x 100</u> Market price	=	$\frac{12\text{p} \times 100}{200\text{p}}$	=	6% ⑪

(b)

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**The debenture holders would be interested in the following:**

- **Interest Cover:** The net profit figure only covers the interest 4.33 times and not enough funds are being generated to provide for the repayment of the loan in 4 years time. It has dropped below last years figure of 6 times. ⑧
- **Dividend policy.** Based on this year's earnings the dividends proposed are excessive and instead some of these profits should be retained or put aside for repayment of debentures. The dividend cover is only 1.08 times ⑧
- **Liquidity:** It is serious as indicated by the current ratio and acid test ratio of 1.2 to 1 and 0.61 to 1 respectively. This indicates a difficulty in paying debts including future interest. The acid test ratio has dropped from a satisfactory figure of 1.3 to 1 last year. ⑧

- **Profitability:** The return on capital employed of 11% must be compared with return From risk free investments. This return must be improved in order to repay debentures without having to resort to sale of fixed assets. The return is slightly down on last years figure of 11.8%, and is only just above the debenture interest rate of 10%. The Gross Profit Percentage has dropped from 25% to 22%. This is a major concern. ⑧
- **Real value of fixed assets:** The real value of fixed assets and intangible assets should be questioned. There are no write offs. The debenture holders' would be interested in the assets to ensure that there is adequate security for their loan. ⑧
- **Value of Share:** The earnings per share is down from 15p to 13.14p per share and the market value of each share is down from £2.15 to £2. This indicates a lack of confidence in the future. ⑤
- **Sector:** Many companies in this sector are currently having difficulties.
- **Gearing:** The company is low geared. Its gearing at 31/12/2000 is 33.8%

(c)

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**Causes of difference in gross profit percentage**

- Cash losses ②
- Stock losses ②
- Mark downs during sales ②
- Incorrect valuation of stock ②
- Increased purchase price without increase in sales price ②
- Change in sales mix.

## Question 6 – Final accounts of a Service Firm

### Statement of Capital and Reserves on 1/1/2000

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		£	£
<b>Assets</b>			
Buildings and grounds	(440,000 – 26,400)	② 413,600	
Equipment	(110,000 – 66,000)	② 44,000	
Furniture	(22,000 – 13,200)	② 8,800	
Investments		① 60,000	
Stock - Health food		① 1,200	
Stock – oil		① 880	
Contract cleaning prepaid		① 900	
Cash at bank		① 3,480	532,860
<b>Less Liabilities</b>			
Creditors for supplies		① 1,300	
Customers' advance deposits		① 7,000	
Loan		② 40,000	
Interest on loan	(12 months @ £400 per month)	② 4,800	
Issued capital		① 380,000	433,100
<b>Reserves</b>			② 99,760

### Health Shop Profit and Loss Account for year ended 31/12/2000

12

		£	£
Shop receipts - sales			③ 72,000
<b>Less Expenses</b>			
Cost of goods sold -	1,200 + 38,200 – 1,620	⑥ 37,780	
Wages and Salaries	(40% of 12,000)	③ 4,800	42,580
Contribution from health shop			29,420

### Profit and Loss Account for year ended 31/12/2000

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		£	£
<b>Income</b>			
Interest received		① 2,250	
Profit on health shop		① 29,420	
Donations		① 15,000	
Customers' fees	W 1	④ 198,650	245,320
<b>Less Expenses</b>			
Wages and Salaries	(94,150 – 4,800)	② 89,350	
Insurance		① 5,600	
Light and heat	W 2	④ 4,200	
Purchases - supplies	W 3	⑤ 40,150	
Loan interest	W 4	③ 1,600	
Laundry		① 5,400	
Postage and telephone		① 1,940	
Depreciation - Buildings	W 5	② 10,000	
- Equipment		② 24,000	
- Furniture		② 4,400	
Contract Cleaning	W 6	③ 3,900	190,540
Net Profit for year			② 54,780
Add Reserve 1/1/2000			① 99,760
Profit and Loss balance 31/12/2000			154,540

**Question 6 – (continued)**

**Balance Sheet as at 31/12/2000**

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	Cost £	Depreciation £	Net £
<b>Fixed Assets</b>			
Buildings and Grounds	① 550,000		550,000
Equipment (110,000 + 10,000)	② 120,000	② 90,000	30,000
Furniture	② 22,000	② 17,600	4,400
	<u>692,000</u>	<u>107,600</u>	584,400
Investments			② 60,000
			<u>644,400</u>
<b>Current Assets</b>			
Closing stock - shop goods	② 1,620		
- oil	② 400		
Cleaning prepaid	② 300		
Customers' fees due	② 550	2,870	
<b>Less Creditors: amounts falling due within 1 year</b>			
Bank overdraft	② 21,760		
Electricity due	② 320		
Customers' advance deposits	② 3,000		
Creditors for supplies	② 1,250	(26,330)	(23,460)
			<u>620,940</u>
<b>Financed by</b>			
<b>Share Capital and reserves</b>	<b>Authorised</b>	<b>Issued</b>	
Ordinary shares	① 500,000	① 380,000	
Revaluation Reserve (W 7)		③ 86,400	
Profit and Loss Balance		<u>154,540</u>	<u>620,940</u>
			<u>620,940</u>

**Workings**

1	<b>Customers' fees</b> – amount received Add advance deposits Add fees due Less fees prepaid 31/12/2000	194,100 7,000 550 <u>(3,000)</u>	198,650
2	<b>Light and heat</b> – amount paid Add stock – heating oil 1/1/2000 Add electricity due 31/12/2000 Less stock – heating oil 1/1/2000	3,400 880 320 <u>(400)</u>	4,200
3	<b>Purchases</b> (40,200 + 1,250 - 1,300)		40,150
4	<b>Loan Interest</b> paid Less interest due 1/1/2000 for 1 year @ £400 per month	6,400 <u>4,800</u>	1,600
5	<b>Depreciation</b> - Buildings & grounds 2% x (440,000+60,000) - Equipment 20% x (110,000 + 11,000) - Furniture 20% x (22,000)		10,000 24,000 4,400
6	<b>Contract Cleaning</b> – amount paid Add amount prepaid 1/1/2000 Less amount 31/12/2000	3,300 900 <u>(300)</u>	3,900
7	<b>Revaluation Reserve</b> Buildings (550,000 - 500,000 including extension) Depreciation (26,400 + 10,000)	50,000 <u>36,400</u>	86,400

**Question 7 – Incomplete Records**

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**Balance Sheet as at 31 December 2000**

<b>Intangible Assets</b>		£		£
Goodwill				③ 8,000
<b>Fixed Assets</b>				
Buildings			③ 295,000	
Equipment			③ <u>9,600</u>	304,600
<b>Financial Assets</b>				
Investments				④ <u>3,665</u>
				316,265
<b>Current Assets</b>				
Stock at 31 December 2000	①	18,400		
Trade Debtors	①	21,600		
Bank	①	87,670		
Rates prepaid	⑤	<u>900</u>	128,570	
<b>Less Creditors: amounts falling due within 1 year</b>				
Creditors	①	19,700		
Interest due	③	1,125		
Electricity due	②	<u>660</u>	(21,485)	
Working Capital				<u>107,085</u>
				<u>423,350</u>
<b>Financed by</b>				
<b>Creditors: amounts falling due after more than 1 year</b>				
Loan				② 150,000
<b>Capital - Balance at 1/1/2000</b>		②	260,000	
Add Capital introduced			③ 2,000	
Less Drawings	W 10		⑩ <u>(18,247)</u>	243,753
				393,753
Add Net Profit	W 1			⑥ <u>29,597</u>
Capital Employed				<u>423,350</u>



**Question 7 – (continued)**

(b)

40

**Trading and Profit and Loss Account for year ended 31 December 2000**

		£	£
Sales	W 3		② 264,850
Less Cost of goods sold			
Stock at 1 January 2000		② 14,500	
Add Purchases (167,490 - 4,680)	W 5	② 162,810	
		177,310	
Less Stock 31 December 2000		② (18,400)	
Cost of sales	W 4		② 158,910
<b>Gross Profit</b>	W 2		② 105,940
Add Investment income			③ 65
			106,005
<b>Less Expenses</b>			
Wages and general expenses	W 6	⑥ 64,400	
Light and heat	W 7	⑥ 5,808	
Rates	W 8	⑥ 3,500	
Interest	W 9	⑥ 2,700	76,408
<b>Net Profit</b>	W 1		① 29,597

(c)

10

Quaid should keep a detailed cash book and general ledger supported by appropriate subsidiary books. This would enable Quaid to prepare an accurate trading and profit and loss account and therefore would avoid reliance on estimates.

## Question 7 – (continued)

### Workings

<b>1</b>	<b>Net profit for year (balancing figure in balance sheet)</b>			
	Total net assets		£	£
			423,350	
	Less Loan		(150,000)	
	Less capital after drawings and before profit		(243,753)	29,957
<b>2</b>	<b>Gross profit</b>			
	Net profit + expenses - gains	=	(29,957 + 76,408 – 65)	105,940
<b>3</b>	<b>Sales</b>			
	Gross profit = 40% of sales	=	105,940 x 2.5	264,850
<b>4</b>	<b>Cost of sales</b>			
	Sales less gross profit	=	264,850 - 105,940	158,910
<b>5</b>	<b>Purchases</b>			
	Cost of sales + closing stock - opening stock		158,910 + 18,400 – 14,500	162,810
<b>6</b>	<b>Wages and general expenses - amount paid</b>		68,000	
	Add college fees 30% of £4,000		1,200	
	Less commission due at 1/1/2000		(4,800)	64,400
<b>7</b>	<b>Light and heat - amount paid</b>		6,600	
	Add electricity due 31/12/2000		660	
	Less drawings		(1,452)	
	Profit and loss account			5,808
<b>8</b>	<b>Rates - amount paid</b>		3,600	
	Add rates prepaid 1/1/2000		800	
	Less rates prepaid 31/12/2000		(900)	
	Profit and loss account			3,500
<b>9</b>	<b>Interest - amount paid</b>		2,250	
	Add interest due		1,125	
	Less drawings		(675)	
	Profit and loss account			2,700
<b>10</b>	<b>Drawings</b>			
	College fees – family member		2,800	
	Equipment		2,400	
	Drawings of stock		4,680	
	Cash		6,240	
	Light and heat		1,452	
	Interest		675	18,247

**Question 8 – Marginal Costing**

80

	£	£ (per unit)
Sales: (70,000 @ £13)	910,000	13.00
Less Variable costs:		
Direct materials	315,000	
Direct labour	175,000	
Factory overheads (40%)	25,200	
Sales Commission (5% of sales)	<u>45,500</u>	
Total variable costs	<u>560,700</u>	<u>8.01</u> (7.36 + 0.65)
<b>Contribution</b>	<b>349,300</b>	<b>4.99</b>
Less Fixed Costs:		
Factory overheads (60%)	37,800	
Administration expenses	105,000	
Selling expenses (excluding commission)	<u>39,500</u>	
Net Profit	<u>182,300</u>	
	<u>167,000</u>	

(a) **Break-even point** =  $\frac{\text{Fixed Costs}}{\text{CPU}}$  =  $\frac{£182,300}{£4.99}$  = **36,534 units** ⑩

**Margin of safety** = Budgeted sales less break-even point  
 = 70,000 - 36,534 = **33,466 units** ⑤

(b) **Sales in units required to provide increase of 20% in net profit**

	£
Net Profit 2000	167,000
Increase in Net profit 2000 (+ 20%)	<u>33,400</u>
Net profit required 2001	<u>200,400</u>

$\frac{\text{Fixed Costs} + \text{Profit target}}{\text{CPU}}$  =  $\frac{£182,300 + 200,400}{£4.99}$  = **76,694 units** ②

**Question 8 - continued**

**(c) Selling price for 2001**

**Profit if selling price dropped to £12 in 2001**

	<b>£</b>
New Selling Price	12.00
Variable (marginal) Cost (£7.36 + £0.60)	<u>7.96</u>
Contribution per unit	<u>4.04</u>

Sales in units (85,000)		<b>£</b>
Total Contribution (85,000 x £4.04)	<b>⑥</b>	343,400
Less Fixed Costs	<b>⑥</b>	<u>193,300</u>
Profit	<b>②</b>	<b>150,100</b>

**(d)**

2000 Fixed costs	182,300
2000 Fixed costs + 10%	<u>18,230</u>
2001 Fixed costs	200,530

$$\begin{aligned} \text{Contribution required for 2001} &= \text{Fixed costs} + \text{Profit} \\ &= 200,530 + 167,000 = \text{£}367,530 \end{aligned}$$

$$\text{Contribution per unit 2001} = \frac{\text{Total contribution}}{\text{Budgeted sales (in units)}} = \frac{\text{£}367,530}{70,000} = \text{£}5.2504 \text{ ⑨}$$

Variable costs excluding commission per unit	=	<u>£7.3600</u>
95% of selling price	=	12.6104
100%	=	<b>£13.27 ⑦</b>

**(e)**

<u>Fixed Costs</u>	<b>④</b>	<u>£182,300</u>	
Contribution - 10% of S.P.	<b>⑤</b>	£5.94 - 1.40	<b>②</b> 40,155 units
	<b>④</b>		

**Question 9 - Budgeting**

(a)

16

**Production Budget - Quinlan Ltd.**

	<b>Primary</b>	<b>Superb</b>
	<b>Units</b>	<b>Units</b>
Required by sales	6,000 ④	4,500 ④
Closing stock (80% of opening stock)	<u>280 ②</u>	<u>200 ②</u>
	6,280	4,700
Opening stock	<u>(350) ②</u>	<u>(250) ②</u>
Budgeted production in units	<u><u>5,930</u></u>	<u><u>4,450</u></u>

(b)

20

**Raw Materials Purchases Budget**

		<b>Material W</b>		<b>Material X</b>	
		<b>kg's</b>		<b>kg's</b>	
Required by production	- Primary	(5,930 x 6)	35,580 ②	23,720 ②	(5,930 x 4)
	- Superb	(4,450 x 5)	<u>22,250 ②</u>	<u>31,150 ②</u>	(4,450 x 7)
			57,830	54,870	
Add closing stock (80% of opening stock)			<u>4,000 ②</u>	<u>3,200 ②</u>	
			61,830	58,070	
Less opening stock			<u>(5,000) ②</u>	<u>(4,000) ②</u>	
Required Purchases of raw materials in kg's			56,830	54,070	
Purchase price			£3 ②	£5 ②	
Purchase cost			<b>£170,490</b>	<b>£270,350</b>	

**Question 9 - continued**

(c)

30

**Budgeted Manufacturing Account For year ending 31/12/2001**

			£
<b>Direct Materials</b>			
Opening stock of raw materials (5,000 x £2.50 + 4,000 x £4.50)			30,500 ④
Purchase of raw materials (£170,490 + £270,350)			<u>440,840</u> ④
			471,340
Less Closing stock of materials (4,000 x £3 + 3,200 x £5)			<u>(28,000)</u> ④
			443,340
<b>Direct labour</b>			
Primary (5,930 x 7 hrs x £11)	456,610	③	
Superb (4,450 x 8 hrs x £11)	<u>391,600</u>	③	48,210
<b>Variable overheads:</b>			
Primary (5,930 x 7 hrs x £4.50)	186,795	③	
Superb (4,450 x 8 hrs x £4.50)	<u>160,200</u>	③	46,995
<b>Fixed overheads</b>			<u>116,000</u> ②
<b>Total Production Cost</b>			<u><u>£1,754,545</u></u> ④

(d)

14

**Budgeted Trading Account For year ending 31/12/2001**

			£
Sales (£1,140,000 + £1,035,000)			2,175,000 ②
Less Cost of sales			
Opening stock (350 x £160 + 250 x £180)	101,000	③	
Add Cost of manufacture	<u>1,754,545</u>	③	
	1,855,545		
Less Closing stock (£157 x 280 + £186 x 200)	<u>81,160</u>	④	774,385
<b>Gross Profit</b>			<u><u>400,615</u></u> ②

## Accounting 2001 - Ordinary Level

### Question 1 – Final Accounts of a Company

80
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**(a) Trading and Profit and Loss Account for the year ended 31 December 2000**

	£	£	£	
Sales less returns in (£731,000 - £1,000)			730,000	⑦
<u>Less</u> Cost of sales				
Stock 1/1/2000	85,600	③		
Add Purchases	<u>480,000</u>	③		
	565,600			
<u>Less</u> Stock 31/12/2000	<u>98,500</u>	③	<u>467,100</u>	
Gross profit			262,900	
 <b><u>Less</u> Expenses</b>				
<b>Administration ②</b>				
Stationery (£500 + £2,400 - £600)			2,300	⑨
Salaries	82,000	③		
Directors fees	28,000	③		
Light Heat and Insurance	16,000	③		
Depreciation – Buildings	12,000	④		
Depreciation - Office equipment	<u>1,200</u>	④	141,500	
 <b>Selling and Distribution ②</b>				
Advertising (£7,200 - £1,800)			<u>5,400</u>	⑦
			146,900	
Add Operating Income			116,000	
Commission			9,000	④
Provision for bad debts (£2,800 - £1,980)			<u>820</u>	⑦
Operating profit			125,820	
Less Debenture interest			<u>8,250</u>	⑦
Net profit for year			117,570	
Less Corporation tax			<u>10,000</u>	③
Profit after taxation			107,570	
Profit and loss balance 1/1/2000			<u>21,000</u>	②
Profit and loss balance carried forward 31/12/2000			<u>128,570</u>	④

**Question 1 – (continued)**

40

(c)

**Balance Sheet at 31 December 2000**

	Cost	Accumulated Depreciation	Net	Total
	£	£	£	£
<b>Intangible fixed assets</b>				
Patents				60,000 ②
<b>Tangible fixed assets</b>				
Buildings	600,000 ②	96,000 ③	504,000	
Office Equipment	<u>20,000 ②</u>	<u>9,200 ③</u>	<u>10,800</u>	
	<u>620,000</u>	<u>105,200</u>	<u>514,800</u>	514,800
				574,800
<b>Current assets</b>				
Stock of goods for resale			98,500 ③	
Stock of stationery			600 ③	
Advertising prepaid			1,800 ③	
Trade debtors		66,000 ②		
Less Provision		<u>1,980 ②</u>	<u>64,020</u>	
			164,920	
<b>Creditors: amounts falling due within one year</b>				
Debenture interest due		8,250 ③		
Bank		15,700 ②		
Trade creditors		55,000 ②		
Corporation tax due		10,000 ②		
VAT		<u>2,200 ②</u>	<u>91,150</u>	
Working capital				<u>73,770</u>
				<u>648,570</u>
<b>Financed by</b>				
<b>Creditors: amounts falling due after more than one year</b>				
11% Debentures				100,000 ②
<b>Capital and reserves</b>		<b>Authorised</b>	<b>Issued</b>	
Ordinary shares at £1 each		660,000 ①	420,000 ①	
Profit and loss account			<u>128,570</u>	548,570
Capital employed				<u>648,570</u>



**Question 2 – Service Firm accounts**

20

(a)

**Statement of Capital on 1/1/2000**

	£	£
<b>Assets</b>		
Buildings	175,000 ②	
Furniture	3,900 ②	
Dental equipment	72,000 ②	
Motor car	22,000 ②	
Amounts due from patients	4,500 ②	
Stock dental materials	645 ②	
Cash at bank	<u>2,350 ③</u>	280,395
<b>Less Liabilities</b>		
Electricity due		<u>150 ③</u>
<b>Capital</b>		<u>280,245 ②</u>

(b)

40

**Income and Expenditure (Profit and Loss) Account for Year ended 31/12/2000**

		£	£
<b>Income</b>			
Patients fees	W 1		98,760 ⑥
<b>Less Expenditure</b>			
Dental materials	W 2	6,010 ⑥	
Technicians fees		10,420 ②	
Anaesthetist's fees		5,540 ②	
Insurance		1,660 ②	
Electricity (740 - 150)		590 ④	
Magazines		124 ②	
Telephone		1,756 ②	
Motor expenses		2,444 ②	
Audit Fees		720 ②	
Receptionist's salary (14,000 + 1,100)		15,100 ④	
Depreciation - Equipment	W 3	7,980 ②	
- Car	W 4	<u>4,400 ②</u>	<u>56,744</u>
<b>Net Profit</b>			<u>42,016 ②</u>

**Workings**

<b>1 Patients fees - amount received</b>	100,400	
Add amount due 31/12/2000	2,860	
Less amount due 1/1/2000	<u>(4,500)</u>	98,760
<b>2 Dental materials – purchases</b>	7,630	
Add stock 1/1/2000	645	
Less stock 31/12/2000	<u>(2,265)</u>	6,010
<b>3 Depreciation Equipment</b>	10% of (72,000 + 7,800)	7,980
<b>4 Depreciation Car</b>	20% of (22,000 )	4,400

**Question 3 - Corrections of Errors**

35

(a)

**Journal Entries**

	<b>Debit</b>	<b>Credit</b>
1    Suspense account	840 ②	
Discount allowed account		420 ②
Discount received account		420 ②
Being cancellation of entry in discount allowed account and recording of entry in discount received account ①		
2    Shop equipment account	2,400 ③	
Purchases account		2,400 ③
Suspense account	4,800 ②	
Creditors account		4,800 ②
Being recording of purchases of equipment in the books ①		
3    Suspense account	2,700 ③	
Purchases account		2,700 ③
Being correction of incorrect figure posted to the purchases account ①		
4    Drawings account	150 ③	
Purchases account		150 ③
Being transfer of entry from cash account to purchases account		
5    Sales returns account	110 ②	
Suspense account		110 ②
Being correction of understatement of sales returns account		

(b)

25

**Statement of Correct Net Profit**

<b>Original Net Profit</b>		£ 21,000 ⑤
Add Discount allowed	(i)	420 ③
Discount received	(i)	420 ③
Purchases	(ii)	2,400 ③
Purchases	(iii)	2,400 ③
Purchases	(iv)	150 ③
		27,090
Less Sales Returns		(110) ③
<b>Correct Net Profit</b>		<b>26,980 ②</b>

**Question 4 – Ledger Accounts**

25

(a)

**Rent Payable Account**

		£			£
01/01/99	Balance b/d	900 ⑥	31/12/99	Profit and Loss	4,500 ③
01/04/99	Bank	2,400 ③	31/12/99	Balance c/d	1,200
01/10/99	Bank	<u>2,400</u> ③			
		<u>5,700</u>			<u>5,700</u>
01/01/00	Balance b/d	1,200 ①			
01/04/00	Bank	2,680 ③	31/12/00	Profit & Loss	5,220 ③
01/10/00	Bank	<u>2,680</u> ③	31/12/00	Balance c/d	<u>1,340</u>
		<u>6,560</u>			<u>6,560</u>
01/01/01	Balance b/d	1,340			

(b)

35

**K. Joyce Account**

		£			£
01/01/99	Balance b/d	1,200 ④	01/06/99	Bank	300 ⑥
		<u>1,200</u>	01/06/99	Bad debts provision	<u>900</u> ⑤
					<u>1,200</u>

(a)

**Provision for Bad Debts Account**

		£			£
01/06/99	Bad Debts Joyce	900 ④	01/01/99	Balance b/d	1,320 ⑥
31/12/99	Bad Debt	200 ④	31/12/99	Profit and Loss	1,080 ③
31/12/99	Balance c/d	<u>1,300</u> ③			
		<u>2,400</u>			<u>2,400</u>

### Question 5- Interpretation of Accounts

- (a) 40
- 1 **Percentage Mark - up on cost**
- $$\frac{\text{Gross Profit} \times 100}{\text{Cost of Sales}} = \frac{105,000 \times 100}{385,000} = 27.3\% \text{ ⑩}$$
- 2 **Closing Stock** = £45,000 ⑩
- 3 **Period of credit given to Debtors**
- $$\frac{\text{Debtors} \times 365}{\text{Credit Sales}} = \frac{36,000 \times 365}{490,000} = 27 \text{ days ⑩}$$
- 4 **Return on Capital Employed**
- $$\frac{\text{Operating profit} \times 100}{\text{Capital employed}} = \frac{(62,000 + 4,000) \times 100}{424,000} = 15.57\% \text{ ⑩}$$

- (b) 40
- (i) **Debentures (2005/2006):** Debentures are long term loans. They must be repaid in full in 2005 or 2006. Normally assets are pledged to the lender up to the value of the loan. Interest at the rate of 8% per annum is paid in the meantime. ⑩
- (ii) **Intangible Assets:** These are items of value that are not visible but saleable. They have a long-term value to a firm but do not have a physical presence e.g Goodwill, Patents. ⑩
- (iii) **Rate of Stock Turnover:** This is the number of times during the year that the average stock is sold. The higher this figure is the better. It is calculated by dividing the Cost of Sales by the average Stock. ⑩
- (iv) **Capital Employed:** This is the total amount invested in the business. It is the shareholders' funds plus the long-term liabilities. ⑩

- (c) 10
- Businesses take risks and for this they expect to earn more than they could get by investing their money in risk-free securities. The Return on Capital Employed for 2000 was 15.57%. The return currently available from banks and building societies is less than 5% so the company is performing well. It should not consider selling out at this stage.

- (d) 10
- In 1999 the current ratio was 1.5 to 1 and the liquid ratio was 0.9 to 1. This could be considered just about adequate. However in 2000 the company is more liquid as both ratios of 2.6 to 1 and 1.26 to 1 are favourable when compared to business norms and indicates that the company is capable of paying it's short-term debts. In 2000 the company has £1.26 available for each £1 owed.

**Question 6 - Incomplete Records**

30

(a)

**Creditors Control Account**

		£		£	
2000			2000		
31 Dec	Cash paid	24,200 ③	1 Jan	Balance b/d	7,200 ③
	Balance c/d	<u>6,900 ③</u>	31 Dec	*Credit Purchases	<u>23,900</u>
		<u>31,100</u>			<u>31,100</u>

**Debtors Control Account**

		£		£	
2000			2000		
1 Jan	Balance b/d	3,400 ③	31 Dec	Cash	21,200 ③
	*Credit Sales	<u>21,900</u>		Balance c/d	<u>4,100 ③</u>
		<u>25,300</u>			<u>25,300</u>

<b>Total Sales</b>	<b>£</b>		<b>Total Purchases</b>	<b>£</b>
Credit sales	21,900 ③		Credit purchases	23,900 ③
Cash sales	<u>83,400 ③</u>		Cash purchases	<u>49,100 ③</u>
Total sales	<u>105,300</u>		Total purchases	<u>73,000</u>

(b)

30

**Trading and profit and Loss Account for year ended 31 December 2000**

	£	£	£
Sales			105,300 ③
Less Cost of goods sold			
Stock at 1 January		8,700 ②	
Add purchases		<u>73,000 ③</u>	
		81,700	
Less Stock at 31 Dec. 2000		<u>9,200 ②</u>	<u>72,500</u>
<b>Gross profit</b>			<b>32,800</b>
<b>Less Expenses</b>			
Wages and general expenses	W 1		19,620 ⑦
			13,180
<b>Add Rent</b>			<b>4,500 ③</b>
Commission received	W 2		<u>1,100 ⑥</u>
<b>Net profit</b>			<b><u>18,780 ④</u></b>

**Question 6 – (continued)**

40

(c)

**Balance Sheet at 31 December 2000**

	£	£	£
<b>Fixed Assets</b>			
Premises		180,000 ③	
Delivery Vans		26,000 ③	
Furniture		<u>4,300 ③</u>	210,300
<b>Current Assets</b>			
Stock	9,200 ③		
Trade debtors	4,100 ③		
Bank	800 ④		
Commission receivable due	<u>340 ④</u>	14,440	
<b>Less Creditors: amounts falling due within 1 year.</b>			
Trade creditors	6,900 ③		
Accruals (Expenses)	<u>380 ④</u>	<u>7,280</u>	
<b>Net Current assets</b>			<u>7,160</u>
			<u>217,460</u>
<b>Financed by</b>			
<b>Capital</b>			
Balance at 1 Jan 2000	W 3	211,180 ⑦	
Add Net profit		<u>18,780</u>	
		229,960	
Less Drawings		<u>12,500 ③</u>	<u>217,460</u>
<b>Capital employed</b>			<u>217,460</u>

**Workings**

<b>1</b>	<b>Wages and General expenses paid</b>	19,700	
	Less Expenses due 1 Jan. 2000	(460)	
	Add Expenses prepaid 31 Dec 2000	<u>380</u>	19,620
<b>2</b>	<b>Commission received</b>	760	
	Add commission due	<u>340</u>	1,100
<b>3</b>	<b>Capital at 1 January 2000</b>		
	<b>Assets</b>		
	Buildings	180,000	
	Delivery vans	26,000	
	Cash	740	
	Stock	8,700	
	Debtors	<u>3,400</u>	218,840
	<b>Less Liabilities</b>		
	Creditors	7,200	
	Expenses due	<u>460</u>	<u>7,660</u>
	<b>Capital at 1 January 2000</b>		<u>211,180</u>

**New Presentation of Cash Flow as required for Statements relating to periods from 3/3/1997**

**Question 7- Cash Flow Statement**

(a)

30

**Reconciliation of Operating Profit to net cash flow from operating activities:**

	£	
Operating profit	126,000	③
Depreciation	6,000	⑥
Increase in Stock	(33,000)	⑥
Increase in Debtors	(9,000)	⑥
Decrease in Creditors	<u>(7,000)</u>	⑥
Net Cash inflow from operating activities	<u>83,000</u>	③

(b) **Cash Flow Statement of Jackson Ltd for the year ended 31/12/2000**

70

**Operating Activities ②**

Net cash inflow from Operating activities £ 83,000 ⑤

**Return on investments and servicing of finance ②**

Interest paid (8,000) ⑧

**Taxation ②**

Tax paid (20,000) ⑧

**Capital expenditure and Financial Investment ②**

Purchase of fixed assets (100,000) ⑧

**Equity dividends paid**

Dividends paid (22,000) ⑧

Net cash outflow before liquid resources and financing (67,000)

**Financing ②**

Issue of Shares 40,000 ⑧

Issue of debentures 20,000 ⑧

Net cash inflow from financing 60,000

Decrease in Cash ⑤ (7,000)

**Reconciliation of net cash to movement in net debt**

Decrease in cash during period (7,000) ①

Cash received from issue of debentures (20,000) ①

Change in net debt (27,000)

Net debt at 1/1/2000 (65,000) ①

Net debt at 31/12/2000 (92,000) ①

**Old Presentation of Cash Flow Statement on next page**

## Question 7 – Cash Flow Statement

(a)

30

### Reconciliation of Operating Profit to net cash flow from operating activities:

	£	
Operating profit	126,000	③
Depreciation	6,000	⑥
Increase in Stock	(33,000)	⑥
Increase in Debtors	(9,000)	⑥
Decrease in Creditors	<u>(7,000)</u>	⑥
Net Cash inflow from operating activities	<u>83,000</u>	③

(b)

70

### Cash Flow Statement of Jackson Ltd for the year ended 31/12/2000

		£
<b>Operating Activities ②</b>		
Net cash inflow from Operating activities		83,000 ③
<b>Return on investment ②</b>		
Interest paid	(8,000) ③	
Dividends paid	<u>(22,000) ③</u>	
Net cash outflow from return on investment		(30,000)
<b>Taxation ②</b>		
Tax paid	<u>(20,000)</u>	
Net cash outflow from taxation		(20,000) ③
<b>Investing activities ②</b>		
Purchase of fixed assets	<u>(100,000)</u>	
Net cash outflow from investing activities		<u>(100,000) ③</u>
Net cash outflow before financing ④		(67,000)
<b>Financing ②</b>		
Issue of Shares	40,000 ③	
Issue of debentures	<u>20,000 ③</u>	
Net cash inflow from financing		<u>60,000</u>
Decrease in Cash ③		<u>(7,000)</u>



**Question 8 – Absorption Costing**

80

(a) **Overhead absorption rate per machine hour**

$$\text{Machine hour rate} = \frac{\text{Budgeted factory overheads}}{\text{Budgeted machine hours}} = \frac{77,000}{14,000} = \text{£}5.50 \quad \textcircled{15}$$

(b) **Overhead absorption rates per direct labour hour**

$$\text{Direct labour hour rate} = \frac{\text{Budgeted factory overheads}}{\text{Budgeted direct lab. hours}} = \frac{77,000}{11,000} = \text{£}7 \quad \textcircled{15}$$

(c) **Total Cost of Order no – 1342**

		<b>Machine Hour Rate</b>	
Direct Material		9,000	②
Direct Labour ( Note 1)		960	⑤
Factory Overheads	(240 Mch. hrs @ £5.50)	<u>1,320</u>	⑤
<b>Total Cost</b>		<b><u>11,280</u></b>	<b>③</b>

(d) **Total Cost of Order no - 1342**

		<b>Direct Labour Hour Rate</b>	
Direct Material		9,000	②
Direct Labour ( Note 1)		960	⑤
Factory Overheads	(160 dir lab hrs @ £7)	<u>1,120</u>	⑤
<b>Total Cost</b>		<b><u>11,080</u></b>	<b>③</b>

		<b>£</b>			<b>£</b>
(e) Total Cost		11,280			11,080
Mark-up	= 40% of cost	<u>4,512</u>			<u>4,432</u>
<b>Selling Price</b>	=	<b><u>15,792</u></b>	⑩		<b><u>15,512</u></b>
					⑩

**Note 1**

$$\frac{\text{Budgeted Direct Labour}}{\text{Budgeted Direct labour hours}} = \frac{66,000}{11,000 \text{ hours}} = \text{£}6 \text{ per hour}$$

$$\text{Direct labour cost of Order no - 1342} = 160 \text{ hours @ £6 per hour} = \text{£}960$$

**Question 9 - Budgeting**

70

(a)

		<b>Cash Budget</b>				
		<b>Mar</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>
<b>Receipts</b>						
Debtors -	January	62,000				
	- February		54,000			
	- March			55,000		
	- April				75,000	
	- May					94,000
		<u>62,000</u>	<u>54,000</u>	<u>55,000</u>	<u>75,000</u>	<u>94,000</u>
<b>Payments</b>						
Creditors -	February	46,000				
	- March		42,000			
	- April			66,000		
	- May				50,000	
	- June					55,000
	- Expenses	12,000	9,000	11,000	13,000	14,000
		<u>58,000</u>	<u>51,000</u>	<u>77,000</u>	<u>63,000</u>	<u>69,000</u>
<b>Net monthly cash flow</b>		4,000	3,000	(22,000)	12,000	25,000
<b>Opening bank balance</b>		(18,000)	(14,000)	(11,000)	(33,000)	(21,000)
<b>Closing bank balance</b>		(14,000)	(11,000)	(33,000)	(21,000)	4,000

(b)

10

- His monthly surplus/deficit 5
- He can predict overdraft requirements over the period 5
- No overdraft required by the end of 5 months