

Centre Number	Candidate Number	Name
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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
 General Certificate of Education  
 Advanced Subsidiary Level and Advanced Level

**ACCOUNTING**

**9706/02**

Paper 2 Structured Questions

May/June 2004

**1 hour 30 minutes**

Candidates answer on the Question Paper.  
 No Additional Materials are required.

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name on all the work you hand in.  
 Write in dark blue or black pen in the spaces provided on the Question Paper.  
 You may use a soft pencil for rough working.  
 Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.  
 At the end of the examination, fasten all your work securely together.  
 The number of marks is given in brackets [ ] at the end of each question or part question.  
 You may use a calculator.

If you have been given a label, look at the details. If any details are incorrect or missing, please fill in your correct details in the space given at the top of this page.

Stick your personal label here, if provided.

For Examiner's Use	
1	
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3	
<b>Total</b>	

This document consists of **11** printed pages and **1** blank page.

1 The final accounts of Jarvis, Cocker and Co Ltd for two years were as follows.

Trading and Profit and Loss Accounts for years ended 31 December

		<b>2002</b>		<b>2003</b>
	\$000	\$000	\$000	\$000
Sales		2700		3600
less Cost of Sales				
Opening stock	110		120	
Purchases	<u>1900</u>		<u>3140</u>	
	2010		3260	
less Closing stock	<u>120</u>	1890	<u>530</u>	2730
Gross Profit		810		870
less Operating expenses		<u>426</u>		<u>468</u>
Profit before interest		384		402
Interest payable		<u>84</u>		<u>84</u>
Net Profit		300		318
Dividends payable	126		138	
Transfer to General Reserve	<u>162</u>	288	<u>174</u>	312
Retained profit for year		12		6
Retained profit b/f		<u>72</u>		<u>84</u>
Retained profit c/f		<u>84</u>		<u>90</u>

Balance Sheets as at 31 December

		<b>2002</b>		<b>2003</b>
	\$000	\$000	\$000	\$000
Fixed Assets at Net Book Value		2790		3216
Current Assets				
Stock	120		530	
Debtors	456		882	
Bank	<u>192</u>	768	<u>---</u>	1412
Current Liabilities				
Creditors	192		730	
Dividends due	126		138	
Interest due	84		84	
Bank	<u>---</u>	402	<u>340</u>	1292
Net Current Assets		<u>366</u>		<u>120</u>
		<u>3156</u>		<u>3336</u>
Financed by				
Ordinary Share Capital (Fully Paid)		1800		1800
General Reserve	432		606	
Retained Profits	<u>84</u>	516	<u>90</u>	696
10% Debentures		<u>840</u>		<u>840</u>
		<u>3156</u>		<u>3336</u>

All sales and purchases were on credit.

**REQUIRED**

- (a) For each year calculate the following to **two** decimal places (show your working in the boxes):

	<b>2002</b>	<b>2003</b>
<b>(i)</b> Acid test (liquid/quick) ratio		
<b>(ii)</b> Stock turnover		
<b>(iii)</b> Debtors collection period		
<b>(iv)</b> Gross profit ratio		
<b>(v)</b> Net profit ratio		
<b>(vi)</b> Return on capital employed		

[12]



(c) Comment briefly on the advantages and disadvantages of using ratios.

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2 Titus and Ronicus entered into partnership on 1 October 2003. Their partnership agreement contained the following information:

- 1 Interest on partners' capital accounts to be credited at 5% on the year end balance.
- 2 Interest on partners' cash drawings to be charged at 5% on the year end balance.
- 3 The Profit or Loss sharing ratio to be in the same ratio as the agreed values of the businesses transferred to the partnership, ie Titus, \$45 000 and Ronicus, \$30 000.
- 4 Ronicus is to be credited with a partnership salary of \$20 000 per annum.
- 5 Capital accounts and Current accounts to be maintained for each partner.
- 6 A Goodwill account is not maintained in the firm's books.
- 7 The following assets and liabilities were transferred to the partnership with effect from 1 October 2003:

	Titus	Ronicus
	\$	\$
Fixtures and fittings	20 000	5 000
Motor vehicles	10 000	6 000
Stock		14 000
Debtors		4 700
Creditors		2 600

**REQUIRED**

(a) Prepare the partners' Capital accounts for the year ended 30 September 2004, in columnar format.

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(c) Prepare the partners' Current accounts for the year ended 30 September 2004, in columnar format.

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- 3 Bilanben Ltd manufactures grass-cutting equipment. The following was the cost of production for the year ended 31 December 2003, based on a normal capacity of 4500 units.

	\$
Direct Materials	157 500
Direct Labour	270 000
Variable Overheads	54 000
Fixed Overheads	125 000
	606 500

There are 30 production workers who each work a 30-hour week and have two weeks unpaid holiday per annum.

Additional costs, based on a production of 5000 units, are administrative overheads of \$140 000, of which 50% are fixed, and \$150 000 for advertising. Selling price is \$250 per unit.

The Sales Director has suggested that during 2004 he can sell 5000 units at \$250 each. There are **three** options to fulfil this requirement.

Option 1

To introduce overtime. This would require a pay rise of 50% per hour after the normal 30 hours. There would also be an additional cash payment of \$1.50 for each extra hour worked.

Option 2

To hire new machinery for one year at a cost of \$50 000. This would leave all variable costs unchanged. This was already under consideration and \$17 500 had been spent on market research.

Option 3

To buy in the extra units at a cost of \$200 each.

**REQUIRED**

- (a) Calculate the net profit on the 2003 production of 4500 units, assuming all were sold.

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(b) Prepare statements showing the profitability of **each** of the three options.

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(c) Write a brief statement comparing the three options.

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