

CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE Advanced Subsidiary Level and GCE Advanced Level

MARK SCHEME for the October/November 2013 series

9706 ACCOUNTING

9706/22

Paper 2 (Structured Questions – Core),
maximum raw mark 90

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2013 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

| | | | |
|---------------|---|-----------------|--------------|
| Page 2 | Mark Scheme | Syllabus | Paper |
| | GCE AS/A LEVEL – October/November 2013 | 9706 | 22 |

1 (a)

Joe Brown
Departmental income statement for the year ended 31 December 2012

| | Fuel | Car wash | Café |
|------------------------|---------------------------|-------------------------|------------------------------|
| | \$ | \$ | \$ |
| Revenue | 735 600 | 30 650 | 61 300 |
| Opening inventory | 38 700 | 3 650 | 4 725 |
| Add Purchases | 454 320 | 7 240 | 9 620 (1) mark all 3 |
| Less Closing inventory | <u>39 760</u> | <u>2 480</u> | <u>4 820 (1) mark all 3</u> |
| Cost of goods sold | 453 260 | 8 410 | 9 525 |
| Wages | <u>36 000</u> | <u>3 000</u> | <u>12 000 (1) mark all 3</u> |
| Gross Profit | <u>489 260</u> 246 340 | <u>11 410</u> 19 240 | <u>21 525</u> 39 775 |
| Less expenses | | | |
| Rent | 33 664 (1) | 8 416 (1) | 4 208 (1) |
| Electricity | 12 200 (1) | 3 050 (1) | 3 050 (1) |
| Administration | 12 084 (1) | 1 007 (1) | 4 028 (1) |
| Other expenses | 48 020 (1) | 2 001 (1) | 4 002 (1) |
| Depreciation | <u>12 000 (1)</u> | <u>2 070 (1)</u> | <u>414 (1)</u> |
| | <u>117 968</u> | <u>16 544</u> | <u>15 702</u> |
| Profit for the year | <u>128 372</u> | <u>2 696</u> | <u>24 073</u> [18] |

- (b) Fixed costs will be reallocated
Alternative uses of the vacant space
Customers making additional purchases when having car washed
Loss of business and goodwill
Staff redundancies
Disposal of closing inventory
Sale of equipment
Decrease in profit/revenue
Closure costs (1) + (1) for development × 3 points [6]

- (c) Interest is only charged on overdraft if used. Loan interest is for the whole agreed period.
Loans are for an agreed period
Overdrafts can be called in at any time
Loans are normally at fixed interest but overdraft interest can fluctuate
Overdrafts have a higher rate of interest than a loan
Overdraft balance may vary from day to day
Loans are usually for a longer period than overdrafts
Loans would be taken out for non-current asset purchase but overdrafts are normally for running expenses in periods of shortage of working capital
Loans are for a larger value whereas an overdraft is for a smaller sum
Overdraft is short term borrowing whereas a loan is long term borrowing
Loans are usually non-current liabilities and overdrafts are current liabilities.
(1) + (1) for development × 3 points [6]

[Total: 30]

| | | | |
|---------------|---|-----------------|--------------|
| Page 3 | Mark Scheme | Syllabus | Paper |
| | GCE AS/A LEVEL – October/November 2013 | 9706 | 22 |

2 (a)

| | Current accounts | | | |
|----------------------|------------------|---------------|---------------------|---------------------------------------|
| | Alec | Jean | Alec | Jean |
| | \$ | \$ | \$ | \$ |
| Balance | 2 900 (1) | | Balance | 3 100 (1) |
| Drawings | 20 000 | 22 000 (1) | Interest on capital | 3 000 (1) |
| Interest on drawings | 1 600 (1) | 1 760 (1) | Salaries | 12 000 (1) |
| Balance c/d | <u>3 000</u> | <u>340</u> | Share of profit | <u>9 000 (1of)</u> <u>6 000 (1of)</u> |
| | <u>27 500</u> | <u>24 100</u> | | <u>27 500</u> <u>24 100</u> |
| | | | Balance b/d | 3 000 340 |

Marker Note:

Drawings and Salaries – 1 mark for both figures.

Share of profit must be in ratio of 3:2 for (of).

[10]

(b) Calculation of profit for the year ended 31 May 2013 before appropriation.

| | |
|----------------------|-----------------------|
| | \$ |
| Share of profit | 15 000 (1of) from (a) |
| Salary | 26 000 (1) |
| Interest on capital | <u>7 500 (1of)</u> |
| | 48 500 |
| LESS | |
| Interest on drawings | <u>3 360 (1of)</u> |
| Profit for the year | 45 140 (2cf/1of) |

An anchor figure must be present for any marks to be awarded.

[6]

(c) Goodwill is an intangible asset (1). It arises from the location (1) reputation (1) and customer loyalty (1). It represents the value of the business in excess of (1) the book value of its net assets (1).

[4]

(d)

| | Capital accounts | | | | | |
|-------------|------------------|---------------|---------------|-------------|----------------|------------------|
| | Alec | Jean | Chris | Alec | Jean | Chris |
| | \$ | \$ | \$ | \$ | \$ | \$ |
| Goodwill | 18 000 (1) | 12 000 (1) | 6 000 (1) | Balance b/d | 90 000 | 60 000 |
| Balance c/d | 93 600 | 62 400 | 48 000 | Goodwill | 21 600 (1) | 14 400 (1) |
| | | | | Cash | | 36 000 (1) |
| | | | | Vehicle | | 12 150 (1) |
| | | | | Inventory | | <u>5 850 (1)</u> |
| | <u>111 600</u> | <u>74 400</u> | <u>54 000</u> | | <u>111 600</u> | <u>74 400</u> |
| | | | | Balance b/d | 93 600 | 62 400 |
| | | | | | | 48 000 (2cf/1of) |

Marker Note:

Award 0 marks for Balance b/d is not brought down.

[10]

[Total: 30]

| | | | |
|--------|--|----------|-------|
| Page 4 | Mark Scheme | Syllabus | Paper |
| | GCE AS/A LEVEL – October/November 2013 | 9706 | 22 |

3 (a) (i) Calculate the weekly breakeven point in units.

$$\begin{aligned} \text{Fixed cost } & 800 \times (\$3.50 + \$1.00) = \$3600 \\ \text{Contribution } & \$35.00 - (\$13.50 + \$1.50) = \$20 \end{aligned}$$

$$\text{Breakeven point} = \$3600 \text{ (1)} / \$20 \text{ (1)} = 180 \text{ units (1cf)} \quad [3]$$

(ii) Calculate the weekly breakeven point in value.

$$180 \text{ units (1of)} \times \$35 \text{ (1)} = \$6300$$

If contribution to sales ratio method is used allow answers between \$6300 and \$6320. [2]

(iii) Calculate the margin of safety in revenue.

$$800 \text{ (1)} - 180 \text{ (1of)} = 620 \times \$35 = \$21\,700 \text{ (1of)}$$

Or

$$28\,000 \text{ (1)} - 6300 \text{ (1of)} = \$21\,700 \text{ (1of)} \quad [3]$$

(iv) Calculate the margin of safety as a percentage.

$$(\$21\,700 / 800 \times \$35) \text{ (1of)} \times 100 = 77.5\% \text{ (1of)}$$

Allow 77% or 78% [2]

(b) Calculate the profit for the four weeks that Kirkton will be without the machine if they decide to lease a machine.

| | | |
|---|-----------------|-----------------|
| | \$ | |
| Revenue – 500 × 4 weeks × \$35 | 70 000 | (1) |
| Variable production costs – 500 × 4 weeks × \$13.50 | (27 000) | (1) |
| Fixed production costs – 800 × 4 weeks × \$3.50 | (11 200) | (1) |
| Variable selling costs – 500 × 4 weeks × \$1.50 | (3 000) | (1) |
| Fixed selling costs – 800 × 4 weeks × \$1.00 | (3 200) | (1) |
| Machine lease costs – 4 weeks × \$2000 | (8 000) | (1) |
| Training costs | <u>(3 000)</u> | (1) |
| Profit | 14 600 | (2cf / 1of) [9] |

(c) Calculate the profit for the four weeks if Kirkton decide to buy the Kirks from the competitor.

| | | |
|---|-----------------|-----------|
| | \$ | |
| Revenue – 800 × 4 weeks × \$35 | 112 000 | (1) |
| Purchase price – 800 × 4 weeks × \$26.25 | (84 000) | (1) |
| Fixed production costs – 800 × 4 weeks × \$3.50 | (11 200) | (1) |
| Variable selling costs – 800 × 4 weeks × \$1.50 | (4 800) | (1) |
| Fixed selling costs – 800 × 4 weeks × \$1.00 | (3 200) | (1) |
| Delivery costs – 4 weeks × \$400 | <u>(1 600)</u> | (1) |
| Profit | 7 200 | (1of) [7] |

| | | | |
|---------------|---|-----------------|--------------|
| Page 5 | Mark Scheme | Syllabus | Paper |
| | GCE AS/A LEVEL – October/November 2013 | 9706 | 22 |

(d) State two advantages if Kirkton decides to buy the Kirks from the competitor rather than lease the machine.

- The full quota of 800 units will be available for customers (1)
- Kirkton's business reputation will be maintained (1)
- No training costs (1)

Do not allow references to delivery charge.

[2]

(e) State two disadvantages if Kirkton decides to buy the Kirks from the competitor.

- The product quality may not be the equivalent of the company's own quality (1)
- The competitor may not deliver on time (1)
- The competitor may increase the price (1)
- Kirkton will have to continue to pay wages (1)
- Competitive advantage (1)
- Kirkton will make a lower profit (1of)

Do not allow references to delivery charge.

[2]

[Total: 30]