

**UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS**  
GCE Advanced Subsidiary Level and GCE Advanced Level

**MARK SCHEME for the May/June 2010 question paper**  
**for the guidance of teachers**

**9707 BUSINESS STUDIES**

**9707/21**

Paper 21 (Data Response), maximum raw mark 60

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 must be read in conjunction with the question papers and the report on the examination.

- CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the May/June 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page 2	Mark Scheme: Teachers' version	Syllabus	Paper
	GCE AS/A LEVEL – May/June 2010	9707	21

## 1 Taylor's Tables

### (a) Explain the following terms:

#### (i) product life cycle [3]

Content: Concept that may help identify patterns for sales of products.  
Various stages: introduction, growth, maturity, decline.

Level 2: Good explanation (2–3 marks)  
Level 1: Partial explanation/understanding (1 mark)

#### (ii) economies of scale. [3]

Content: Average costs decrease as **scale** of production increases. NOT average cost decreases as more units produced. Internal and External. Examples needed.

Level 2: Good explanation (2–3 marks)  
Level 1: Partial explanation/understanding (1 mark)

### (b) (i) Calculate the Return on Capital Employed (ROCE) for TT in 2010. [3]

$$\begin{aligned} \text{Net Profit} &= 12 - 7 = 5 \\ \text{ROCE} &= \text{Net profit/capital employed} \times 100 \\ &= 5/150 \times 100 \\ &= 3.3\% \end{aligned}$$

Correct answer: 3 marks  
Right method with mistakes: 2 marks  
Attempt: 1 mark

### (ii) The ROCE for 2008 was 12% and for 2009 was 10%. Using your answer to part (i) briefly comment on the trend in ROCE. [3]

Rapidly falling to unacceptable levels. Constant sales, increasing costs, injection of new capital.

OFR, ARA

<b>Knowledge and Application</b>	
Level 2: Shows understanding of ROCE in context	(2–3 marks)
Level 1: Simple statement about ROCE	(1 mark)

<b>Page 3</b>	<b>Mark Scheme: Teachers' version</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>GCE AS/A LEVEL – May/June 2010</b>	<b>9707</b>	<b>21</b>

- (c) Analyse the possible impact on training at TT of a change from job to batch production. [8]

Training needed for:

- New (extra) staff
- Existing staff transfer to jobs requiring fewer skills
- New systems, roles
- Management of change

Difficulties arise with existing staff who will resist change. Need to try to preserve best of old (loyalty, family atmosphere).

ARA

<b>Knowledge and Application</b>	<b>Analysis</b>
Level 2: Shows understanding of a training in context of the business (3–4 marks)	Level 2: Good analysis of impact on training in context (3–4 marks)
Level 1: Shows understanding of job/batch/training (1–2 marks)	Level 1: Analysis of impact on training (1–2 marks)

- (d) Apart from the need for training, discuss the difficulties that TT should consider if it decided to produce furniture for schools. [10]

Content:

Could include:

Need for finance  
 Management of change/resistance to change  
 Stock control and other systems  
 Organising production  
 Disruption from changes  
 Choosing batch sizes  
 ARA

Evaluation likely to come through prioritising difficulties

<b>Knowledge and Application</b>	<b>Analysis and Evaluation</b>
Level 2: Shows understanding of difficulties/ changing in context of the business (3–4 marks)	Level 2: Evaluation of difficulties in context (3–6 marks)
Level 1: Shows knowledge of difficulties/ changing to new market (1–2 marks)	Level 1: Analysis of the difficulties of changing market/product (1–2 marks)

<b>Page 4</b>	<b>Mark Scheme: Teachers' version</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>GCE AS/A LEVEL – May/June 2010</b>	<b>9707</b>	<b>21</b>

## 2 Fruity Surprises

### (a) Explain the following terms:

#### (i) partnership [3]

Legal structure of a business owned by 2 or more people. Usually unlimited liability but there are types of limited partnership. Often professional organisations e.g. lawyers, accountants.

Level 2: Good understanding (2–3 marks)

Level 1: Partial understanding (1 mark)

#### (ii) market share. [3]

Content: The percentage share of one business in a whole market. Difficult to measure. Sales? Volume? How useful?

Level 2: Good explanation (2–3 marks)

Level 1: Partial explanation/understanding (1 mark)

### (b) (i) Calculate the annual depreciation of the new machinery using the straight line method. [3]

Cost = \$500k, residual value = \$100k so total depreciation = \$400k  
Over 5 years = \$80k

Correct answer: 3 marks

Correct method but simple mistakes: 2 marks

Formula or identifies all the data but flawed calculation: 1 mark

### (ii) Explain how depreciation will affect the accounts of SFF. [3]

In Balance Sheet, Assets will increase as a result of new equipment, but will decrease each year through depreciation.

Owners' capital will reduce because retained profit will be smaller (from P&L account where depreciation is an expense).

<b>Knowledge and Application</b>
Level 2: Shows understanding of depreciation in accounts in the context of the business (2–3 marks)
Level 1: Simple statements about depreciation (1 mark)

<b>Page 5</b>	<b>Mark Scheme: Teachers' version</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>GCE AS/A LEVEL – May/June 2010</b>	<b>9707</b>	<b>21</b>

- (c) **Analyse the advantages and disadvantages to SFF of changing to a private limited company.** [8]

Can be answered either from point of view of staying as they are or from the point of view of changing to a private limited company.

Disadvantages

Seems to work at the moment

Partnerships are often how farms are run

Each have useful skills

Possibility of new partners e.g. with marketing skills

Advantages

Finance – limited if stay as partnership

Management – much bigger organisation

Limited liability might be an advantage

More scope for disagreement as scale increases

ARA

<b>Knowledge and Application</b>	<b>Analysis</b>
Level 2: Shows understanding of private limited company in the context of the business (3–4 marks)	Level 2: Good analysis in context (3–4 marks)
Level 1: Shows understanding of private limited company (1–2 marks)	Level 1: Analysis of change to private limited company (1–2 marks)

- (d) **Discuss the factors that SFF would need to consider in promoting Fruity Surprises.** [10]

The message that SFF are trying to convey

Competitors' brands– existing brand name is Fruity Surprises

Customers' tastes and perceptions: quality, additives, organic

Marketing budget

Other aspects of the mix – must be consistent; need for market research

ARA

<b>Knowledge and Application</b>	<b>Analysis and Evaluation</b>
Level 2: Shows understanding of promotion/ factors in the context of the business (3–4 marks)	Level 2: Evaluation of factors in context (3–6 marks)
Level 1: Shows understanding of promotion/ factors (1–2 marks)	Level 1: Limited analysis of factors involved in promotion (1–2 marks)