

**MARK SCHEME for the May/June 2007 question paper**

**0418 INFORMATION TECHNOLOGY**

**0418/02**

Paper 2 (Practical Test A), maximum raw mark 100

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.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

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 2007 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Printout of the second e-mail prepared and ready to send to the autoresponder

Address:	design.h@cie.org.uk	1 mark
CC	hance.en@cie.org.uk	1 mark
BCC	other.an@cie.org.uk	1 mark
Subject line	ICTCOREX	1 mark
Attachment present	J7REVIEW.RTF	1 mark
Body text	Candidate name & number & centre number	1 mark
Body text	Here is the requested file.	1 mark

0418/02 June 2007

Candidate number

Candidate name

Centre number

Heading	sans-serif	1 mark
	36 point	1 mark
	Spelling correct	1 mark
	Centre aligned	1 mark
	Italic	1 mark

Header	Cand no - left	1 mark
	Name - centre	1 mark
	Centre no - right	1 mark

*Alignment must match text margins for each mark +/-5 mm  
Name to be within centre column*

# 2007 Stationery Sales Analysis for Hothouse Design

Subheading	same font	1 mark
	18 point	1 mark
	Spelling correct	1 mark
	Right aligned	1 mark
	Italic & underline	1 mark

Page size	A4	1 mark
Orientation	Landscape	1 mark
First page	Single column	1 mark

Page break	Inserted here	1 mark
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**Edited by A. Candidate**

Footer	Automated page no	1 mark
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*Centre alignment must appear in centre of middle column of text for the mark (+/-5 mm)*

Page No

Page 3 of 7

**Page margins** Top, bottom, left and right margins 3 cm 1 mark

We must analyse our sales profile for the stationary business stream within Hothouse. This will be reviewed in terms of the management of our sales team, our **effectiveness**, and an analysis of our most successful product lines. There will be several areas where data collection must take place in order for this analysis to be effective.

**Spelling Corrected** 1 mark

The current sales team consists of 6 staff. They deal with all aspects of the sales including face-to-face contact with customers, telephone sales and,

**Paragraph** Moved to here 1 mark

Code	Surname	Responsibility
CP	Pollard	Sales Manager
CS	Smith	Shop
IS	Smith	Telephone sales
JK	Khan	Website
PO	O'Keefe	Website
RT	Trapionni	Stock Control

long of this sales team have been within the company;

**Table**  
 Column 1 – correct place  
 Column 1 – 100% accurate text entry  
 Row 7 (Bartoska) and  
 Column 2 (Forename) deleted  
 No wrapping  
 All visible and within column  
 (Tolerance +/- 5mm on left margin, not into second column on right)

seventh year. The other members of the team have all been employed within the last two years, three of them within the last nine months.

Our customer base contains many regular clients. It has grown significantly over the past two years. We have several customers who frequently purchase a large quantity of office supplies. The largest of these are:

- Bettabay
- University of Tawara Beach
- Dudley
- Papermite
- Dygitell

**Bullets changed to letters – lc and may include “)”**

The website has increased both the number of clients and the volume of business dramatically in recent months.

There is still a feeling amongst senior managers that the website is not as professional in both design and operation as it should be. In order to improve this we are currently looking at amending the corporate house style of the website. One

for styles has been to use the names and fonts applied to our ed stationery. An example of

**p**, sans-serif 1 mark  
 (must not remove other fonts or affect syntax for font-family)



these styles is located below. Please note that the spellings in this excerpt are correct and should not be amended. This will be explained in more detail to the board of directors when they see this document. Here is an excerpt from the proposed stylesheet:

p {color: #ff00ff; font-family: arial, Helvetica, sans-serif; font-size: 10px}

0418/02 June 2007

Candidate name

Candidate number

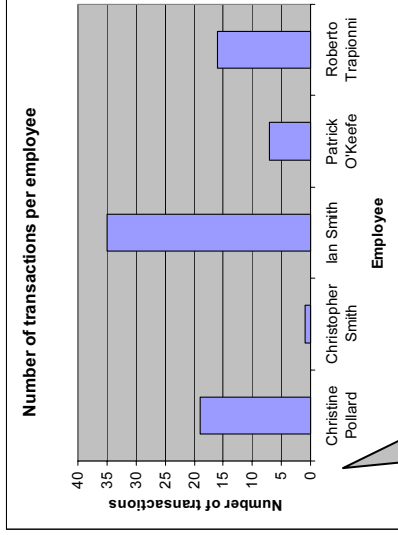
Centre number

li {color: #00bfff; font-family: times, "times new roman"; font-size: smaller; font-style: italic}

h1 {color: #0000ff; font-family: times, "times new roman"; font-size: 36pt}

li 1 mark  
: before 1 mark  
: italic 1 mark  
eg ; font-style: italic 1 mark  
Colour is hex no. 0000FF (check here for color not changed) 1 mark  
Size 36 1 mark  
Units - pt 1 mark  
(Check font-size: largest has been replaced by font-size: 36 pt)

The number of transactions per employee seen graphically:



Some data that may be useful is a snapshot of a single day's trading. This data has been collected and presented in both tabular and graphical form. The table of data below shows the sum of the number of individual items sold per employee and the count of the number of individual transactions:

Staff	Sum Of Sales	Count Of Stock worked
CP	2401	19
CS	1	1
IS	561	35
PO	115	7
RT	240	16

**DB extract table**  
Placed here 1 mark  
Correct sums 2 marks  
Correct counts 2 marks  
All visible and within column 1 mark  
(Tolerance +/- 5mm on left margin, not into second column on right)  
(Column headings may differ)

No widows / orphans 1 mark  
No split lists 1 mark  
No split tables / charts 1 mark  
Document complete / paragraphs intact 1 mark

effectiveness of the current website should also be reviewed. Although planning for four years now, the website has had three different styles and four different organisations hosting the service. The quality of service that we are currently receiving is very expensive yet little better than our previous company's.

**Chart**  
Placed here within column 1 mark  
(Tolerance +/- 5mm on left margin, not into second column on right) 1 mark  
Vertical bar chart 1 mark  
Correct staff names 1 mark  
(Accept if initials seen to be replaced with full names, even if not displayed as category axis labels – eg in unrequested legend) 1 mark  
Data selection correct 1 mark  
Chart title 1 mark  
Cat & value axis titles 1 mark  
No legend 1 mark

communications systems. Some of the costs of this enterprise may be offset through selling web space and web services to other companies. This would not include our direct competitors. The increased efficiency of a system like this would help to address several of the areas of concern that were expressed by our customers in the recent customer survey sent to them. In order to look at this more closely, senior management have employed an external consultant who is due to submit his report to the board of directors on the 23<sup>rd</sup> of next month.

**Body text**  
3 columns 1 mark  
1cm spacing 1 mark  
Serif font 1 mark  
Single line spacing 1 mark  
Left aligned 1 mark  
12 point 1 mark  
All paragraphs indented 1cm (+-2mm) 1 mark  
Consistent line spacing between paras 1 mark

Candidate number

Candidate name

Centre number

Printout from step 39

Field Name	Data Type
ID	AutoNumber
Staff	Text
Company	Text
Item	Text
Unit	Currency
Sales	Number
Delivery	Yes/No

Field names meaningful ie as given 1 mark  
 Data types Correct for all 7 marks  
 (If Delivery field is text 1 mark, If Yes/No, Boolean or some evidence of control 2 marks).  
 Ignore ID field – or other key fields  
 Print identified to candidate, eg in page header.

Heading 100% correct 1 mark  
 Search on Company 2 marks  
 Sort Ascending Cost 2 marks  
 Cost Calculated field 2 marks  
*Unit x Sales*  
 Data and labels fully visible 1 mark  
 Orientation Portrait 1 mark  
 Page Fits on a single page 1 mark  
 Footer Name on right 1 mark  
 Data entry 4 records 100% ok 4 marks  
 Order of fields not important

# TryIT or Dygitell

Cost	Company	Item	Unit	Sales
£0.57	TryIT	Folder PVC 65mm Black	£0.57	1
£0.91	TryIT	Glass Clear Plastic Pockets Pkd 100	£0.46	2
£1.23	TryIT	9 Part Organiser Files Blue	£1.23	1
£2.00	Dygitell	Pencil	£0.02	100
£2.40	Dygitell	Biro - Green (box 20)	£2.40	1
£2.64	TryIT	Invisible Matt Tape 19mm x 33m	£0.22	12
£2.64	Dygitell	Invisible Matt Tape 19mm x 33m	£0.22	12
£4.80	Dygitell	Biro - Blue (box 20)	£2.40	2
£4.80	Dygitell	Biro - Red (box 20)	£2.40	2
£6.72	Dygitell	Poly Clear Tape 48mm x 66m	£1.12	6
£9.60	Dygitell	Biro - Black (box 20)	£2.40	4
£9.62	TryIT	1000 Page Transfer Case 100mm A4	£0.48	20
£18.35	TryIT	Bostik Blu-Tack Economy Size	£1.84	10
£44.70	Dygitell	Coloured Paper Clips Pkd 1000	£0.75	60

Candidate name, centre number and candidate number

# Blue biros delivered

Staff	Company	Item
IS	Cheaper	Biro - Blue (box 20)
PO	Simplex	Biro - Blue (box 20)
RT	Rootrainer Trees	Biro - Blue (box 20)
RT	Dygitell	Biro - Blue (box 20)

Heading 100% correct including case 1 mark  
 Search Item = Biro and Blue (both Wildcards) and Delivery is Yes 2 marks  
 Sort Ascending Staff then Descending Company 2 marks  
 Data and labels fully visible for three specified fields only 1 mark  
 Page Fits on a single portrait page 1 mark  
 Footer Name centre no, cand. no.on left 1 mark

Candidate number

Candidate name

Centre number

Candidate name, centre number and candidate number