MARK SCHEME for the October/November 2014 series

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/03   Paper 3 (Practical Test B), maximum raw mark 80

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 2014 series for most Cambridge IGCSE®, Cambridge International A and AS Level components and some Cambridge O Level components.

Invoice date: &[Date]   Invoice time: &[Time]

	A	B	C
1			
2	From:		
3	Tawara Cycles		
4	1643 Briskway Avenue		
5	Tawara		
6	8765-120		
7			
8	Invoice created by:		
9	A Candidate, XX999, 9999		
10			
11	Number of items	=COUNTA(B20:B24)	
12	Number of units	=SUM(E20:E24)	
13			
14	Discount percentage rates		
15	Discount A	0.05	
16	Discount B	0.1	
17	Discount C	0.15	
18			
19	Item	Item Code	Type
20	Trail Special	M0027	=VLOOKUP(LEFT(B20,1),Type,2,FALSE)
21	Roadster 3	R0021	=VLOOKUP(LEFT(B21,1),Type,2,FALSE)
22	Diamond Mountain	M0018	=VLOOKUP(LEFT(B22,1),Type,2,FALSE)
23	Trekkerz	H0044	=VLOOKUP(LEFT(B23,1),Type,2,FALSE)
24	Trekkerz Topper	H0046	=VLOOKUP(LEFT(B24,1),Type,2,FALSE)
25			
26	Sub total		
27	Discount amount		
28	Invoice total		

Header   Invoice date: space & auto date left   1 mark
Invoice time: space & auto time right   1 mark
Row & Column headings visible   1 mark

A9   Candidate details have replaced text   1 mark

B11   COUNTA   1 mark
(B20:B24)   1 mark

B12   =SUM(E20:E24)   1 mark

Type Lookup used   1 mark
LEFT function   1 mark
…(B20,1)   1 mark
B20 as relative lookup reference   1 mark
Correct named range   1 mark
Correct return column   1 mark

Invoice date: &[Date]   Invoice time: &[Time]

	D	E	F
1	**Invoice**		
2			To:
3			The Progressive School
4			637 Main Highway
5			Tawara
6			8765-420
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19	Unit Cost	Units	Item Total
20	=VLOOKUP(B20,N14cost.csv!$A$2:$B$117,2,FALSE)	5	=D20*E20
21	=VLOOKUP(B21,N14cost.csv!$A$2:$B$117,2,FALSE)	5	=D21*E21
22	=VLOOKUP(B22,N14cost.csv!$A$2:$B$117,2,FALSE)	10	=D22*E22
23	=VLOOKUP(B23,N14cost.csv!$A$2:$B$117,2,FALSE)	10	=D23*E23
24	=VLOOKUP(B24,N14cost.csv!$A$2:$B$117,2,FALSE)	1	=D24*E24
25			
26			=SUM(F20:F24)
27			=F26*IF(B12<5,B15,IF(B12<20,B16,B17))
28			=F26-F27

Callout annotations:

Unit Cost
Lookup used	1 mark
Correct relative lookup reference	1 mark
Correct absolute range	1 mark
…from external N14cost.csv	1 mark
Correct return column	1 mark

F20   Unit Cost × Units   1 mark

F26   =SUM(F20:F24)   1 mark

Replication	3 formulae rows 20–24	1 mark
Orientation	Landscape	1 mark
	2 pages wide & fully visible	1 mark

Discount amount
F26*	1 mark
Nested IF (2 or 3 tiers)	1 mark
IF B12<5	1 mark
IF B12 >=5 AND <20	1 mark
IF B12 >=20	1 mark
References to B15, B16, B17	1 mark

F28   Sub total – Discount amount   1 mark

Invoice date: **[date]**   Invoice time: **[time]**

Row 1	Cells A1-F1 merged	1 mark
	Dark grey background	1 mark
	White text	1 mark
	16 point	1 mark
	Centre aligned serif font	1 mark

Invoice

From: To:

Tawara Cycles   The Progressive School

1643 Briskway Avenue   637 Main Highway

Tawara   Tawara

8765-120   8765-420

F2 to F6	All right aligned	1 mark

Invoice created by:

A Candidate, XX999, 9999

Number of items   5

Number of units   31

Discount percentage rates

No. Format	Discount cells as % & 0dp	1 mark
	Unit Cost & Column F $ & 2dp	1 mark

Discount A   5%

Discount B   10%

Discount C   15%

Item	Item Code	Type	Unit Cost	Units	Item Total	
Trail Special	M0027	Mountain	$1,369.00	5		$6,845.00
Roadster 3	R0021	Road	$487.00	5		$2,435.00
Diamond Mountain	M0018	Mountain	$224.00	10		$2,240.00
Trekkerz	H0044	Hybrid	$500.00	10		$5,000.00
Trekkerz Topper	H0046	Hybrid	$800.00	1		$800.00

Sub total $17,320.00

Discount amount $2,598.00

Invoice total $14,722.00

Correct total	1 mark

Rows 30 – 39 hidden	1 mark
Single portrait page	1 mark
All data & labels fully visible	1 mark

Invoice date: [date]   Invoice time: [time]

Invoice

From: To:

Tawara Cycles   The Progressive School

1643 Briskway Avenue   637 Main Highway

Tawara   Tawara

8765-120   8765-420

Invoice created by:

A Candidate, XX999, 9999

Number of different items	5	
Number of Units	36	

Discount percentage rates

Discount A	5%
Discount B	10%
Discount C	15%

	Code	Type	Unit Cost	Units	Item total	
Trail Special	M0027	Mountain	$1,369.00	5		$6,845.00
Roadster 3	R0021	Road	$487.00	10		$4,870.00
Diamond Mountain	M0018	Mountain	$224.00	10		$2,240.00
Trekkerz	H0044	Hybrid	$500.00	10		$5,000.00
Trekkerz Topper	H0046	Hybrid	$800.00	1		$800.00

Sub total	$19,755.00
Discount amount	$2,963.25
Invoice total	$16,791.75

Modelling	Data changed	1 mark
	Total profit correct	1 mark

Invoice date: **[date]**   Invoice time: **[time]**

Invoice

From: To:

Tawara Cycles   The Progressive School

1643 Briskway Avenue   637 Main Highway

Tawara   Tawara

8765-120   8765-420

Invoice created by:

A Candidate, XX999, 9999

Number of different items	5	
Number of Units	36	

Discount percentage rates

Discount A	7%	
Discount B	12%	
Discount C	18%	

	Code	Type	Unit Cost	Units	Item total	
Trail Special	M0027	Mountain	$1,369.00	5		$6,845.00
Roadster 3	R0021	Road	$487.00	10		$4,870.00
Diamond Mountain	M0018	Mountain	$224.00	10		$2,240.00
Trekkerz	H0044	Hybrid	$500.00	10		$5,000.00
Trekkerz Topper	H0046	Hybrid	$800.00	1		$800.00

Sub total	$19,755.00
Discount amount	$3,555.90
Invoice total	$16,199.10

Modelling   Model changed to give correct figure   2 marks

```
<html>
    <head>
        <title>Tawara Cycles</title>
        <link rel="stylesheet" type="text/css" href="N14table.css">
    </head>
    <body>
        <p>A Candidate, XX999, 9999</p>
        <table align="center">
            <tr>
                <td colspan = "3">
                    <img src="N14title.png" alt="Tawara Cycles Title Image">
                    <h1>Tawara Cycles</h1>
                    <h1>Great deals on bikes</h1>
                </td>
            </tr>
            <tr>
                <td colspan="3"><h2>This week only!<br>We have special offers on
a range of bikes to suit every need...</h2></td>
            </tr>
            <tr>
                <td><h3>Road bike</h3>
                    <h3>Offer price $799</h3>
                </td>
                <td><h3>Hybrid</h3>
                    <h3>Offer price $899</h3>
                </td>
                <td><h3>Mountain bike</h3>
                    <h3>Offer price $959</h3>
                </td>
            </tr>
            <tr>
                <td>
                    <a href="roadbike.htm" target="_road">
                    <img src="N14031.jpg" width="180" alt="Road bike image">
                    </a>
                </td>
                <td>
                    <img src="N14032.jpg" width="180" alt="Hybrid bike image">
                </td>
                <td>
                    <img src="N14033.jpg" width="180" alt="Mountain bike image">
                </td>
            </tr>
            <tr>
                <td colspan="4"><p>If these offers do not get you on the road, we
know that we can find the right bike for you.</p>
```

Stylesheet attached   1 mark

Hyperlink   Image N14031.jpg set as link   1 mark
To open roadbike.htm   1 mark
In target window _road   1 mark

Hyperlink	From **Click here**	1 mark
	mailto:	1 mark
	TC@cie.org.uk	1 mark
	?subject=Website Offers	1 mark

```
        <p>To contact us, <a
href="mailto:tc@cie.org.uk?subject=Website Offers">Click here</a> to email
us, or ring us on 09780 0001001</p><br>
        <p>Website design by <a href="http://www.hothouse-
design.co.uk" target="_hothouse">Hothouse Design</a></p>
      </tr>
    </table>
  </body>
</html>
```

Hyperlink	from Hothouse Design	1 mark
	Correct URL	1 mark
	In target window _hothouse	1 mark

```
<html>
    <head>
        <link rel="stylesheet" type="text/css" href="N14table.css">
    </head>
    <body>
        <table align="center">
            <tr>
                <td colspan = "2">
                    <img src="N14title.png" alt="Tawara Cycles Title Image">
                    <h1>Deals on wheels...</h1>
                    <h1>Road bikes on special offer</h1>
                    <p>Last edited by A Candidate, XX999, 9999</p>
                </td>
            </tr>
            <tr>
                <td><img src="N14031.jpg" width="180" alt="Road bike image">
                </td>
                <td>
                    <ul>
                    <li>Miran Argentia $799</li>
                    <li>Miran Argentia A6 $799</li>
                    <li>Miran Farifax $500</li>
                    <li>Miran Ravenna Ladies $625</li>
                    <li>Bienchi Sempra Veloce $320</li>
                    <li>Bienchi Sempra Athena $3500</li>
                    </ul>
                </td>
            </tr>
            <tr>
                <td colspan="2">
                    <p>To buy:</p>
                    <ol>
                    <li>Click the back button on your browser</li>
                    <li>Contact us from the homepage</li>
                    <li>We will guarantee a swift response</li>
                    <li>Buy and <b>enjoy</b> your new bike</li>
                    </ol>
            </tr>
        </table>
    </body>
</html>
```
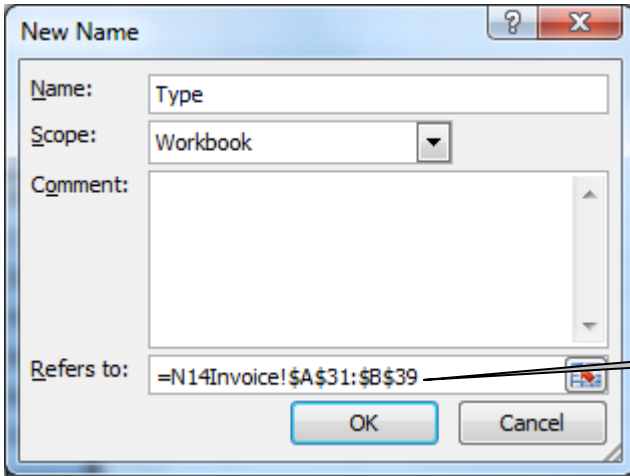
Callout (right cell):

Right cell	Bulleted	1 mark
	Changed to list	1 mark

Callout (bottom cell):

Bottom cell	Ordered (not top line)	1 mark
	Changed to list	1 mark

Candidate name, Centre number, candidate number

Evidence Document

New Name

Name: Type

Scope: Workbook

Comment:

Refers to: =N14Invoice!$A$31:$B$39

OK   Cancel

Named range	Called Type A31 to B39	1 mark

Table stylesheet

/* A Candidate, XX999, 9999 */
/* Stylesheet for table styles */

```
table   {
        width:80%;
        background-color:#ffff00;
        border-collapse:collapse;
        border:4px solid #000080;
        }

td      {
        text-align:center;

        border:2px solid #000080;
        padding:10px 20px;
        }
```

Comment	Candidate details	1 mark
	Stylesheet for table styles	1 mark

Table	width: 80%	1 mark
	background-color:	1 mark
	#FFFF00	1 mark
	border-collapse:collapse	1 mark
	border-width: 4px	1 mark
	border-style: solid	1 mark
	border-color: #000080	1 mark
	text-align:	1 mark
	center;	1 mark

table data	border-width:2px	1 mark
	Border-style: solid	1 mark
	Border-color: #000080	1 mark
	padding	1 mark
	10px 20px	1 mark
	Correct { and } and use of ;	1 mark

Candidate name, Centre number, candidate number

A Candidate, XX999, 9999 — Text replaced with candidate details   1 mark

Tawara Cycles

Great deals on bikes

This week only!
We have special offers on a range of bikes to suit every need...

Road bike	Hybrid	Mountain bike
Offer price S799	Offer price S899	Offer price S959

If these offers do not get you on the road, we know that we can find the right bike for you.

To contact us, Click here to email us, or ring us on 09780 0001001

Website design by Hothouse Design