

CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

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.

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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 (B20:B24) 1 mark
 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	Unit Cost	Lookup used	1 mark
4		Correct relative lookup reference	1 mark
5		Correct absolute range	1 mark
6		...from external N14cost.csv	1 mark
7		Correct return column	1 mark
8			
9		F20	Unit Cost × Units 1 mark
10			
11			F26 =SUM(F20:F24) 1 mark
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
		F28	Sub total – Discount amount 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

Page 4	Mark Scheme	Syllabus	Paper
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Invoice date: **[date]**

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 time: **[time]**

Invoice

From:

Tawara Cycles
1643 Briskway Avenue
Tawara
8765-120

To:

The Progressive School
637 Main Highway
Tawara
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

Discount A 5%

Discount B 10%

Discount C 15%

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

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

Page 5	Mark Scheme	Syllabus	Paper
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Invoice date: [date]

Invoice time: [time]

Invoice

From:
Tawara Cycles
1643 Briskway Avenue
Tawara
8765-120

To:
The Progressive School
637 Main Highway
Tawara
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

Page 6	Mark Scheme	Syllabus	Paper
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Invoice date: [date]

Invoice time: [time]

Invoice

From:

Tawara Cycles
1643 Briskway Avenue
Tawara
8765-120

To:

The Progressive School
637 Main Highway
Tawara
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

Page 7	Mark Scheme	Syllabus	Paper
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```

<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">
          
          <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">
            
          </a>
        </td>
        <td>
          
        </td>
        <td>
          
        </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 1 mark
Image N14031.jpg set as link 1 mark
To open roadbike.htm 1 mark
In target window _road 1 mark

Page 8	Mark Scheme	Syllabus	Paper
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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

Page 9	Mark Scheme	Syllabus	Paper
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```

<html>
  <head>
    <link rel="stylesheet" type="text/css" href="N14table.css">
  </head>
  <body>
    <table align="center">
      <tr>
        <td colspan = "2">
          
          <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>
        </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 Sempre Veloce $320</li>
            <li>Bienchi Sempre 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>
        </td>
      </tr>
    </table>
  </body>
</html>

```

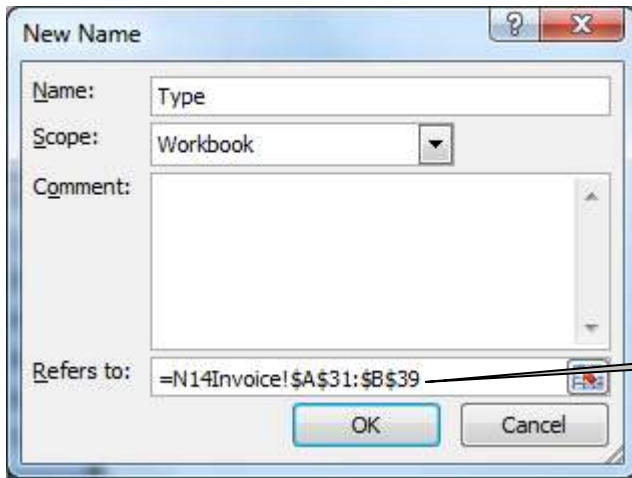
Right cell	Bulleted Changed to list	1 mark 1 mark
------------	----------------------------------	------------------

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

Page 10	Mark Scheme	Syllabus	Paper
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Candidate name, Centre number, candidate number

Evidence Document



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: #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:center; 1 mark


table data border-width:2px 1 mark
 Border-style: solid 1 mark
 Border-color: #000080 1 mark
 padding 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 Offer price \$799	Hybrid Offer price \$899	Mountain bike Offer price \$959
		

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](#)