UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2012 question paper

for the guidance of teachers

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/31 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 must be read in conjunction with the question papers and the report on the examination.

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

Cambridge is publishing the mark schemes for the May/June 2012 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

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International Examinations

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Bottom table	From J12Table3.htm	1 mark
	'Date & Time here' replaced	1 mark
	Zip wire image left	1 mark
	Scuba image 2nd	1 mark
	Skis image 3rd	1 mark
	Off-road image 4th	1 mark
	Phone image right	1 mark
	All images 120 pixels wide with aspect ratio maintained	1 mark

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Candidate name Centre number Candidate number

Correct stylesheet attached 1 mark

```
<HTML>
  <HEAD>
     <TITLE>The Xtreme Adventure Holiday Company - June 2012</TITLE>
     <link rel="stylesheet" type ="text/css" href="J12style1.css">
  </HEAD>
<BODY>
<a name="top"></a>
<TABLE width="100%" id="table1">
  <TR align="center" valign="center">
    <TD colspan = "5"> <img src ="J12BAnner1.jpg"></TD>
  </TR>
  <TR>
    <TD colspan = "5">
      <h3>Last edited by A. Candidate, Centre:XX9999, Candidate:99999 </h3>
    </TD>
  </TR>
  <TR>
    <TD>
      <h2>Aerial adventures</h2>
    </TD>
    <TD>
      <h2>Below the waves</h2>
    </TD>
    <TD>
      <h2>Hit the slopes</h2>
    </TD>
    <TD>
      <h2>Off-road experience</h2>
    </TD>
    <TD>
      <h2><a href="#combi">Combination Holidays</a></h2>
    </TD>
  </TR>
</TABLE>
<TABLE width="75%" align="center" id="table2">
  <TR>
    <TD> <h3>We offer holidays to suit your every need; we can often make
dreams come true... </h3></TD>
     <TD rowspan = "4"><img src ="J12TREE.jpg"></TD>
  </TR>
  <TR>
    <TD> <h3>Try zip wires in Mexico, cross-country skiing in Finland or
alpine skiing in Switzerland.</h3></TD>
  </TR>
  <TR>
    <TD> <h3>Ever driven off-road on ATVs or in amphibious vehicles? Try the
jungle, mountain passes or frozen wastes to enhance the experience.</h3></TD>
  </TR>
  <TR>
    <TD> <h3>Combine this with superb value for money. Contact us with your
requirements and we are sure that we will not disappoint you.</h3></TD>
  </TR>
</TABLE>
```

Anchor top 1 mark

Table Width 100% 1 mark

Hyperlink Combination Holidays 1 mark
To anchor combi 1 mark

Table Width 75% 1 mark

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```
<TABLE id="table3" width="100%">
  <TR align="center" valign="center" >
    <TD colspan = "5">
      <h2>Try a real adventure holiday, can be extreme, could make you scream,
but for pleasure and excitement try one of these:</h2>
    </TD>
  </TR>
  <TR>
    <TD>
      <h2><img src ="J12IMG6.jpg">
    </TD>
    <TD>
      <h2><a href="J12DIVE.HTM" target="_undersea"><img src ="J12IMG4.jpg"
width="120"> </a></h2>    </TD>
    <TD>
      <h2><img src ="J12IMG1.jpg"></h2>
    </TD>
    <TD>
      <h2><img src ="J12IMG2.jpg" width="120"></h2>
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    <TD>
      <h2><a href="mailto:xahc@cie.org.uk?subject=Xtreme%20Adventure"> <img
src ="J12IMG7.jpg"> </a></h2>
    </TD>
  </TR>


  <TR align="center" valign="center">
    <TD colspan = "5"> <img src ="J12Banner2.jpg"></TD>
  </TR>
  <TR>
    <TD colspan = "5">
    <a name="combi"></a>
      <h1> Combination holidays</h1>
      <h3>For all you real adrenaline junkies out there, why not try two or
more of our holidays combined. Maybe a week skiing followed by a spectacular
off-road driving experience in the frozen wastes, or perhaps combine scuba
with an aerial or off-road adventure in the tropical rain forest. All our
holidays involve the adrenaline rush, followed by pure relaxation in the best
hotels where you will be truly pampered. Try a day on the slopes followed by a
superb a la carte dinner prepared for you by one of the world finest chefs.
You will not find these holidays in any brochure, each holiday is unique to
your requirements. Contact us using the image above for further details.</h3>
    </TD>
  </TR>
  <TR>
    <TD colspan = "5">

      <h2>Return to the top of the page by <a href="#top">clicking on this
link</a>.</h2>
      <h3>Website last updated on 16/1/2012 12:04:00</h3>
    </TD>
  </TR>
</TABLE>
</BODY>
</HTML>
```

Table Width 100% 1 mark

Target _undersea 1 mark
to J12DIVE.HTM 1 mark

Hyperlink Phone image as link 1 mark
mailto:xahc@cie.org.uk 1 mark
Subject Xtreme Adventure 1 mark

Anchor combi 1 mark

Hyperlink clicking on this link 1 mark
Returns to top 1 mark

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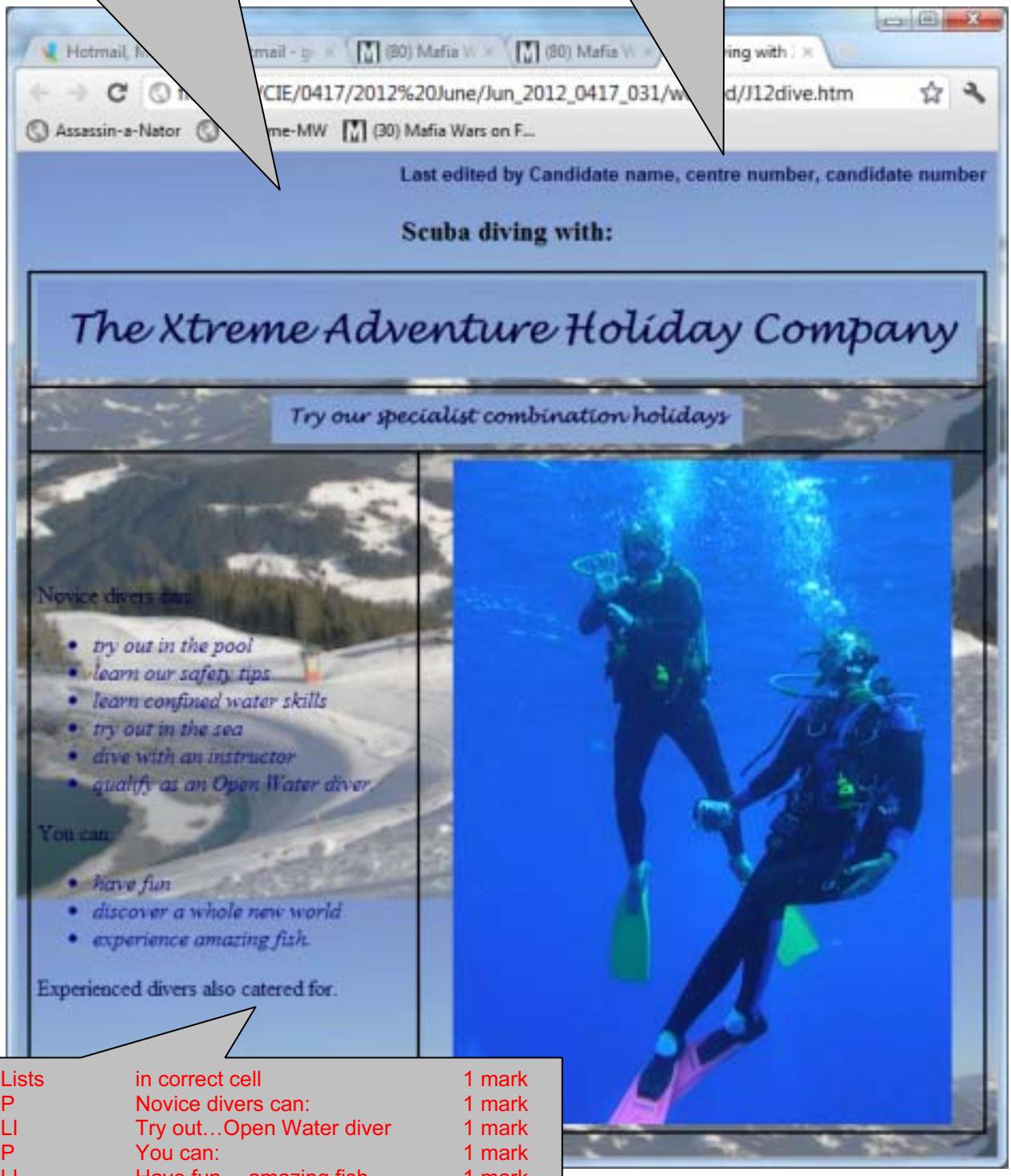
Candidate name Centre number Candidate number

Top right Last edited by & name & No's 1 mark

Text replaced Scuba diving with: 1 mark
In style h2 1 mark



Lists	in correct cell	1 mark
P	Novice divers can:	1 mark
LI	Try out…Open Water diver	1 mark
P	You can:	1 mark
LI	Have fun… amazing fish	1 mark
P	Experienced divers…	1 mark
Image	J12IMG4 – not resized	
	in correct cell	1 mark

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```
<HTML>
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     <TITLE>Diving with Xtreme Adventures</TITLE>
     <link rel="stylesheet" type ="text/css" href="J12style1.css">
  </HEAD>
<BODY>

<h5>Last edited by Candidate name, centre number, candidate number</h5>
<h2>Scuba diving with:</h2>
<TABLE>
  <TR align="center" valign="center">
    <TD colspan = "2"><img src ="J12Banner1.jpg"></TD>
  </TR>
  <TR align="center" valign="center">
    <TD colspan = "2"><img src ="J12Banner2.jpg"></TD>
  </TR>
  <TR align="center" valign="center">
    <TD><p>Novice divers can:</p>
        <ol>
          <li>try out in the pool</li>
          <li>learn our safety tips</li>
          <li>learn confined water skills</li>
          <li>try out in the sea</li>
          <li>dive with an instructor</li>
          <li>qualify as an Open Water diver.</li>
        </ol>
       <p>You can:</p>
        <ul>
          <li>have fun</li>
          <li>discover a whole new world</li>
          <li>experience amazing fish.</li>
        </ul>
        <p>Experienced divers also catered for.</p>
    </TD>
    <TD><img src ="J12IMG4.jpg"></TD>
  </TR>
</TABLE>
</HTML>
```

Stylesheet J12Style1.css attached 1 mark

Top list <ol> and </ol> correct place 1 mark

Bottom list <ul> and </ul> correct place 1 mark

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A Student, XX999, 99999

Pay rates

Pay code	Pay rate
A	€ 7.50
B	€ 8.00
C	€ 9.20
D	€ 10.75

Job codes

Job code	Job description
A	Administration/Office
B	Snowboard Instructor
H	Host/Hostess
S	Ski Instructor
SA	Senior Administrator
TA	Transport assistant
TB	Trainee Snowboard Instructor
TM	Transport Manager
TS	Trainee Ski Instructor

Page	Orientation portrait	1 mark
Print area	As specified & fully visible	1 mark
	Currency Euros 2 dp	1 mark

Week 27 Last edited on 09/05/2012 19:35

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The Xtreme Adventure Holiday Company

	A	B	C	D	E	F	G
1							
2							
3							
4							
5							
6	B	8					
7	C	9.2					
8	D	10.75					
9							
10	Job codes						
11	Job code	Job description					
12	A	Administration/Office					
13	B	Snowboard Instructor					
14	H	Host/Hostess					
15	S	Ski Instructor					
16	SA	Senior Administrator					
17	TA	Transport assistant					
18	TB	Trainee Snowboard Instructor					
19	TM	Transport Manager					
20	TS	Trainee Ski Instructor					
21							
22	Employees						
23	Code	Name	Pay code	Job description	Contract hours	Hours work	
24	TA	Arne Bircher	A	=VLOOKUP(A24,JC,2)	10		OKUP(C24,$A$5:$B$8,2)*F24
25	TS	Jon Haby	A	=VLOOKUP(A25,JC,2)	25	25	OKUP(C25,$A$5:$B$8,2)*F25
26	TM	Thomas Tobler	C	=VLOOKUP(A26,JC,2)	25	25	OKUP(C26,$A$5:$B$8,2)*F26
27	B	Tim Frueh	B	=VLOOKUP(A27,JC,2)	25	15	=V OKUP(C27,$A$5:$B$8,2)*F27
28	TA	Dekke Heitz	A	=VLOOKUP(A28,JC,2)	12	12	=VL OKUP(C28,$A$5:$B$8,2)*F28
29	B	Simone Aebi	B	=VLOOKUP(A29,JC,2)	25	25	=VLOOKUP(C29,$A$5:$B$8,2)*F29
30	A	Luca Rim	B	=VLOOKUP(A30,JC,2)	12	12	=VLOOKUP(C30,$A$5:$B$8,2)*F30
31	B	Lara Forrer	B	=VLOOKUP(A31,JC,2)	25	25	=VLOOKUP(C31,$A$5:$B$8,2)*F31

Header Name & numbers - centre aligned 1 mark
Footer **Week 27** - left
Last edited on & date and time - right 1 mark

Job description
Lookup used 1 mark
Correct lookup reference 1 mark
Lookup - relative reference 1 mark
Correct named range JC 1 mark
Correct return column 1 mark

Pay
Lookup used 1 mark
Correct relative lookup reference 1 mark
Correct absolute range 1 mark
Correct return column 1 mark
Multiplied by F24 1 mark

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32	B	John Zwinky	B	=VLOOKUP(A32,JC,2)	12	12	=VLOOKUP(C32,$A$5:$B$8,2)*F32
33	SA	Romina Von Gunten	D	=VLOOKUP(A33,JC,2)	40	40	=VLOOKUP(C33,$A$5:$B$8,2)*F33
34	A	Arenwald Wurgler	A	=VLOOKUP(A34,JC,2)	38	38	=VLOOKUP(C34,$A$5:$B$8,2)*F34
35	B	Julian Bruster	C	=VLOOKUP(A35,JC,2)	30	35	=VLOOKUP(C35,$A$5:$B$8,2)*F35
36	H	Sofia Walp	A	=VLOOKUP(A36,JC,2)	20	20	=VLOOKUP(C36,$A$5:$B$8,2)*F36
37	S	Arda Hegler	B	=VLOOKUP(A37,JC,2)	25	25	=VLOOKUP(C37,$A$5:$B$8,2)*F37
38	S	Nathan Ganz	B	=VLOOKUP(A38,JC,2)	25	28	=VLOOKUP(C38,$A$5:$B$8,2)*F38
39	S	Alessandro Messerli	B	=VLOOKUP(A39,JC,2)	25	25	=VLOOKUP(C39,$A$5:$B$8,2)*F39
40	S	Luca Roser	C	=VLOOKUP(A40,JC,2)	30	30	=VLOOKUP(C40,$A$5:$B$8,2)*F40
41	TB	Andri Jud	A	=VLOOKUP(A41,JC,2)	25	25	=VLOOKUP(C41,$A$5:$B$8,2)*F41
42	S	Matteo Nufer	B	=VLOOKUP(A42,JC,2)	25	10	=VLOOKUP(C42,$A$5:$B$8,2)*F42
43	S	Laura Haener	B	=VLOOKUP(A43,JC,2)	25	25	=VLOOKUP(C43,$A$5:$B$8,2)*F43
44	S	Livio Stager	B	=VLOOKUP(A44,JC,2)	25	35	=VLOOKUP(C44,$A$5:$B$8,2)*F44
45	S	Giulia Ramseyer	C	=VLOOKUP(A45,JC,2)	30	30	=VLOOKUP(C45,$A$5:$B$8,2)*F45
46	TB	Noah Truby	A	=VLOOKUP(A46,JC,2)	25	25	=VLOOKUP(C46,$A$5:$B$8,2)*F46
47	TA	Raphael Michlig	A	=VLOOKUP(A47,JC,2)	12	12	=VLOOKUP(C47,$A$5:$B$8,2)*F47
48	B	Luca Gisi	B	=VLOOKUP(A48,JC,2)	25	25	=VLOOKUP(C48,$A$5:$B$8,2)*F48
49	A	Matteo Isch	B	=VLOOKUP(A49,JC,2)	12	0	=VLOOKUP(C49,$A$5:$B$8,2)*F49
50	B	Alice Thoeny	B	=VLOOKUP(A50,JC,2)	25	30	=VLOOKUP(C50,$A$5:$B$8,2)*F50
51	B	Leonardo Jud	B	=VLOOKUP(A51,JC,2)	12	12	=VLOOKUP(C51,$A$5:$B$8,2)*F51
52	S	Fabian Ging	B	=V			=VLOOKUP(C52,$A$5:$B$8,2)*F52
53	S	Leon Joost	B	=V			=VLOOKUP(C53,$A$5:$B$8,2)*F53
54	S	Nico Lichty	B	=V			=VLOOKUP(C54,$A$5:$B$8,2)*F54
55	S	Leandro Laqua	B	=VLOOKUP(A55,JC,2)	25	0	=VLOOKUP(C55,$A$5:$B$8,2)*F55
56	S	Mattia Polt	B	=VLOOKUP(A56,JC,2)	25	25	=VLOOKUP(C56,$A$5:$B$8,2)*F56
57	S	Camille Oberlin	B	=VLOOKUP(A57,JC,2)	25		=VLOOKUP(C57,$A$5:$B$8,2)*F57
58	A	Matteo Hilty					=VLOOKUP(C58,$A$5:$B$8,2)*F58
59	B	Mia Leupp				30	=VLOOKUP(C59,$A$5:$B$8,2)*F59
60	B	Nico Gantert	B	=VLOOKUP(A60,JC,2)	12	12	=VLOOKUP(C60,$A$5:$B$8,2)*F60
61						=SUM(F24:F60)	=SUM(G24:G60)

Cell F61 SUM(F24:F60) 1 mark
Cell G61 SUM(G24:G60) 1 mark

Printout Single landscape page wide, all visible 1 mark
Replication Both formulae 1 mark

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The Xtreme Adventure Holiday Company

Employees

Code	Name	Pay rate	Job description	Contract hours	Hours worked	Pay
TA	Arne Bircher	A	Transport assistant	10	10	€ 75.00
TS	Jon Haby	A	Trainee Ski Instructor		25	€ 187.50
TM	Thomas Tobler		Transport Manager			
			Instructor			
			assistant			
			Instructor		25	€ 200.00
A	Luca Rim	B	Administration/Office	12	12	€ 96.00
B	Lara Forrer	B	Snowboard Instructor	25	25	€ 200.00
B	John Zwinky	B	Snowboard Instructor	12	12	€ 96.00
SA	Romina Von Gunten	D	Senior Administrator	40	40	€ 430.00
A	Arenwald Wurgler	A	Administration/Office	38	38	€ 285.00
B	Julian Bruster	C	Snowboard Instructor	30	35	€ 322.00
H	Sofia Walp	A	Host/Hostess	20	20	€ 150.00
S	Arda Hegler	B	Ski Instructor	25	25	€ 200.00
S	Nathan Ganz	B	Ski Instructor	25	28	€ 224.00
S	Alessandro Messerli	B	Ski Instructor	25	25	€ 200.00
S	Luca Roser	C	Ski Instructor	30	30	€ 276.00
TB	Andri Jud	A	Trainee Snowboard Instructor	25	25	€ 187.50
S	Matteo Nufer	B	Ski Instructor	25	10	€ 80.00
S	Laura Haener	B	Ski Instructor	25	25	€ 200.00
S	Livio Stager	B	Ski Instructor	25	35	€ 280.00
S	Giulia Ramseyer	C	Ski Instructor	30	30	€ 276.00
TB	Noah Truby	A	Trainee Snowboard Instructor	25	25	€ 187.50
TA	Raphael Michlig	A	Transport assistant	12	12	€ 90.00

Top row	Merge & centre align cells A1 to G1	1 mark
	White font	1 mark
	Black background	1 mark
	24 point serif font	1 mark

Rows 3-20	Hidden	1 mark
Currency	Pay column - Correct format - all cells	1 mark
Printout	Single page wide, all visible	1 mark

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	Candidate name	Centre number	Candidate number			
B	Luca Gisi	B	Snowboard Instructor	25	25	€ 200.00
A	Matteo Isch	B	Administration/Office	12	0	€ 0.00
B	Alice Thoeny	B	Snowboard Instructor	25	30	€ 240.00
B	Leonardo Jud	B	Snowboard Instructor	12	12	€ 96.00
S	Fabian Ging	B	Ski Instructor	25	25	€ 200.00
S	Leon Joost	B	Ski Instructor	25	25	€ 200.00
S	Nico Lichty	B	Ski Instructor	25	30	€ 240.00
S	Leandro Laqua	B	Ski Instructor	25	0	€ 0.00
S	Mattia Polt	B	Ski Instructor	25	25	€ 200.00
S	Camille Oberlin	B	Ski Instructor	25	5	€ 40.00
A	Matteo Hilty	B	Administration/Office	20	20	€ 160.00
B	Mia Leupp	B	Snowboard Instructor	25	30	€ 240.00
B	Nico Gantert	B	Snowboard Instructor	12	12	€ 96.00
					803	€ 6,594.50

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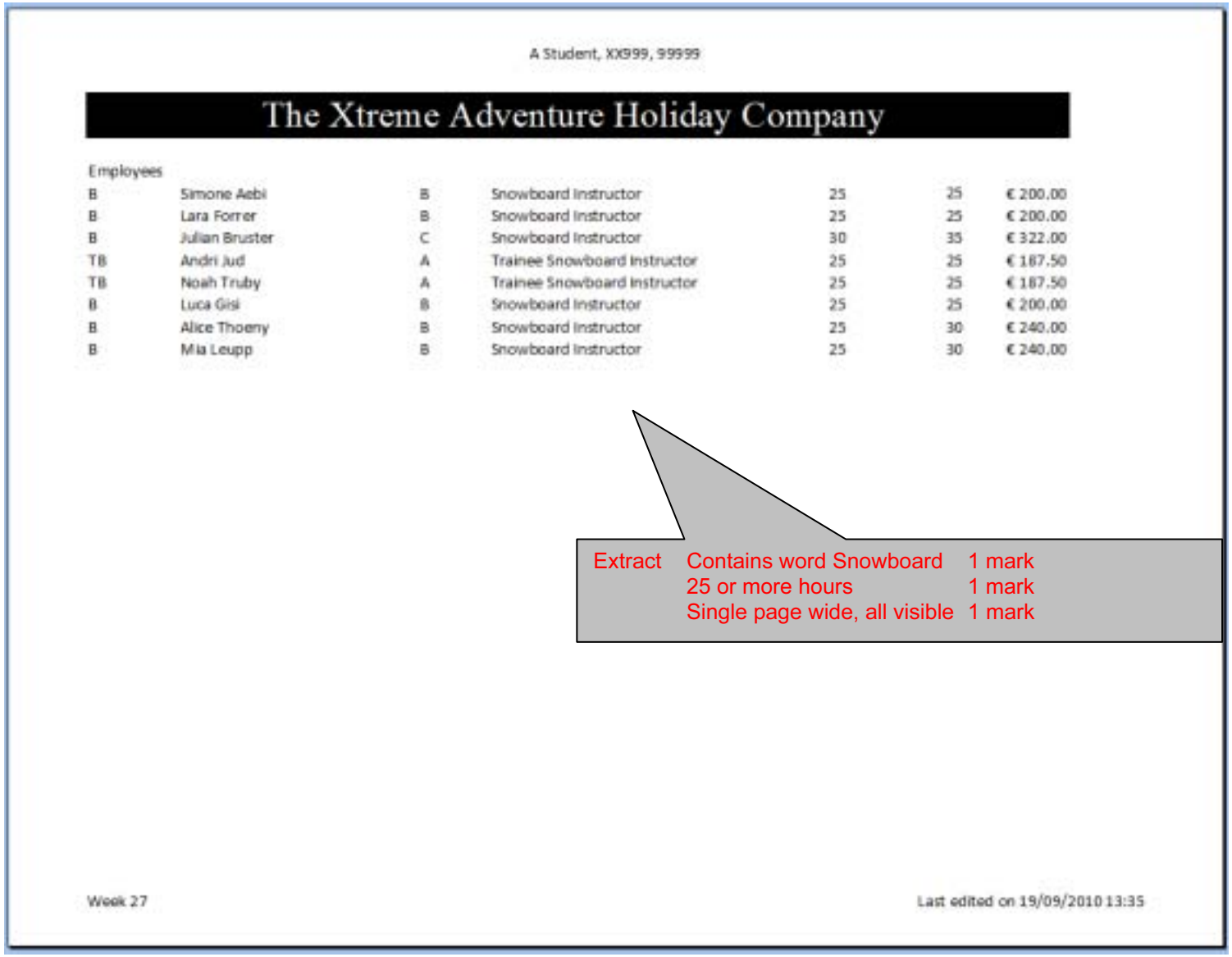

A Student, XX999, 99999

The Xtreme Adventure Holiday Company

Employees

B	Simone Aebi	B	Snowboard Instructor	25	25	€ 200.00
B	Lara Forrer	B	Snowboard Instructor	25	25	€ 200.00
B	Julian Bruster	C	Snowboard Instructor	30	35	€ 322.00
TB	Andri Jud	A	Trainee Snowboard Instructor	25	25	€ 187.50
TB	Noah Truby	A	Trainee Snowboard Instructor	25	25	€ 187.50
B	Luca Gisi	B	Snowboard Instructor	25	25	€ 200.00
B	Alice Thoeny	B	Snowboard Instructor	25	30	€ 240.00
B	Mia Leupp	B	Snowboard Instructor	25	30	€ 240.00

Extract Contains word Snowboard 1 mark
25 or more hours 1 mark
Single page wide, all visible 1 mark

Week 27

Last edited on 19/09/2010 13:35

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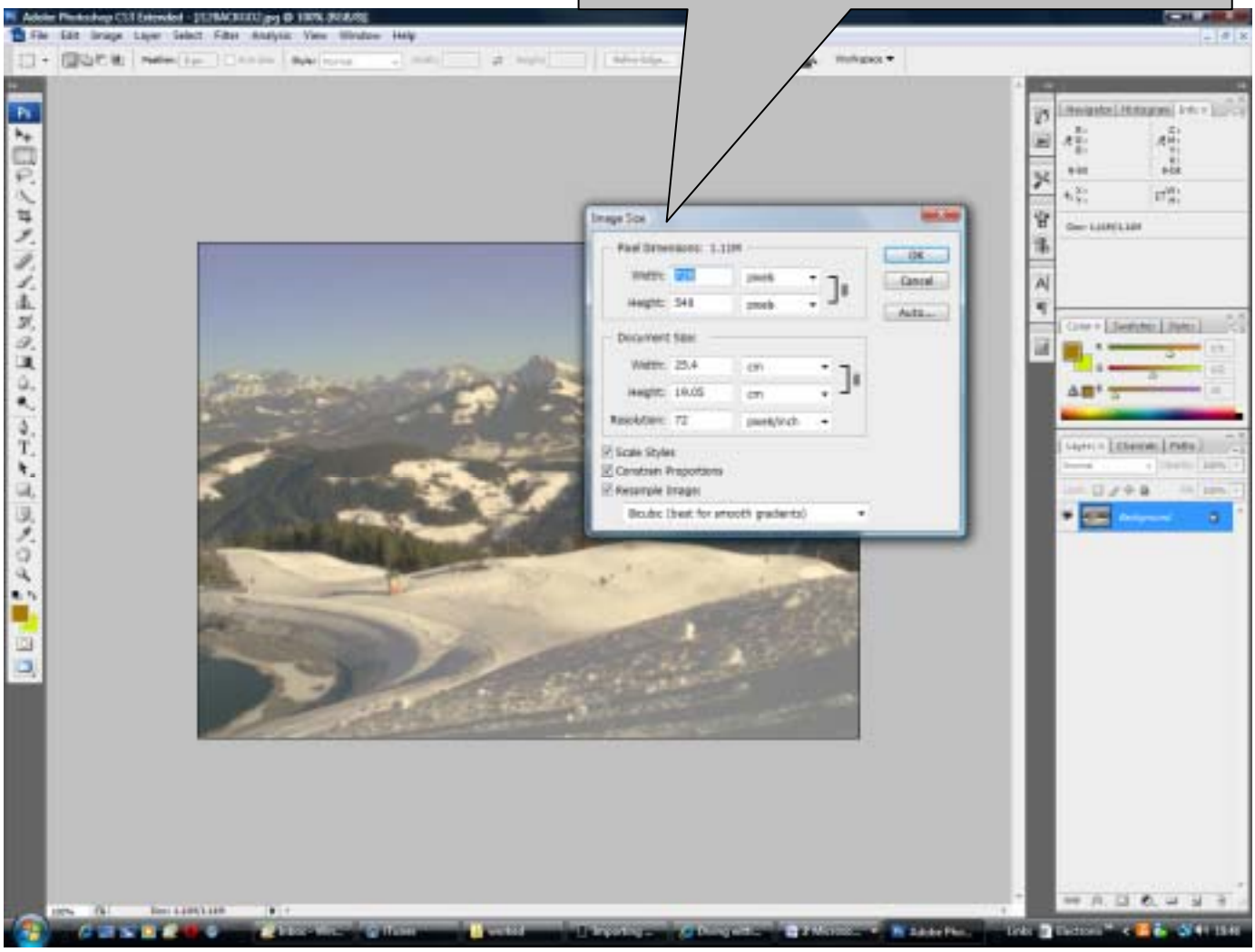
Evidence document

Image size Resized to 720 pixels wide 1 mark
Aspect ratio maintained 1 mark



Name	Size
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J12BACKGD2.jpg	254 KB
J12BACKGD3.jpg	86 KB

Image Resolution =<100K 1 mark

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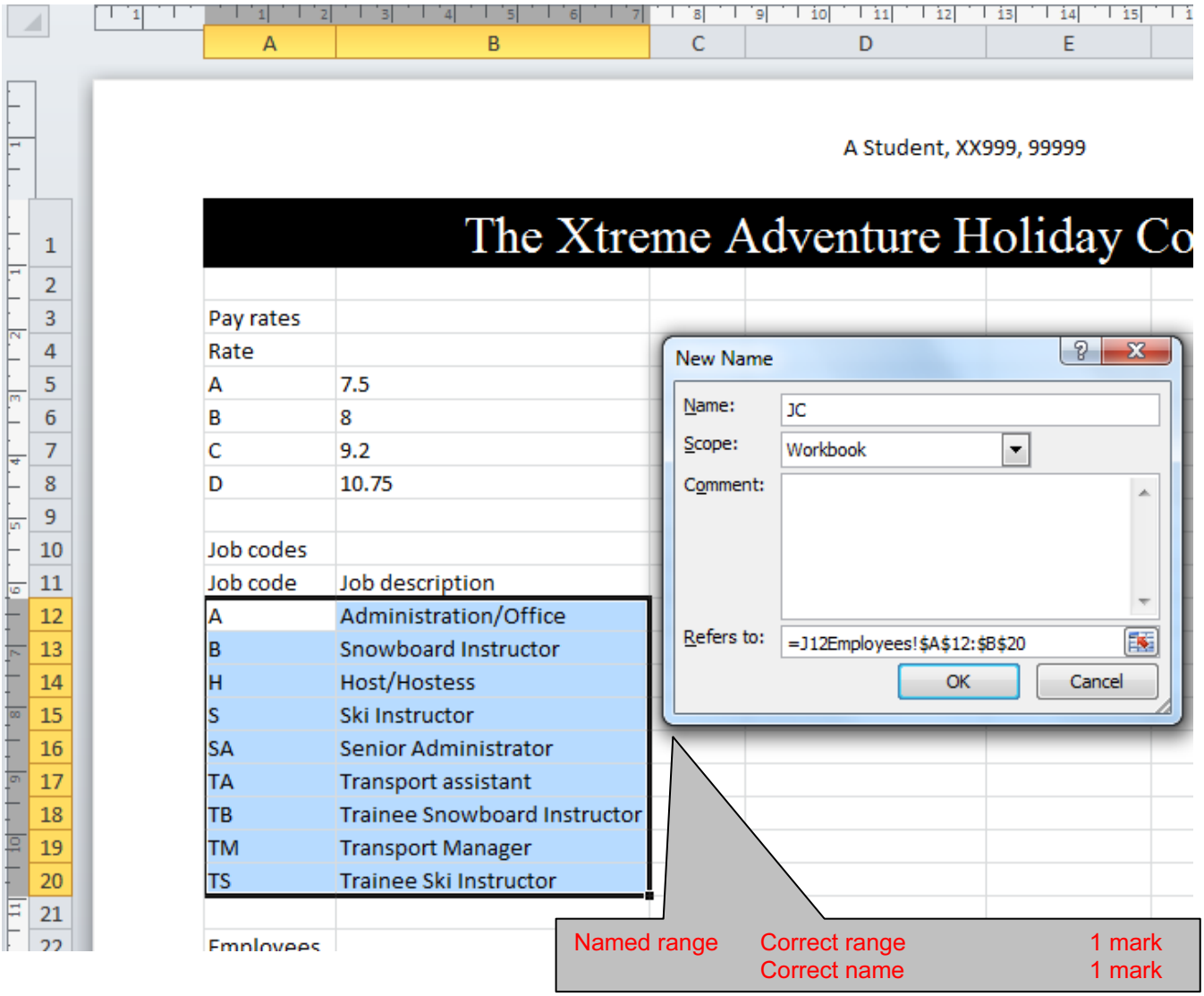

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