

CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

MARK SCHEME for the October/November 2015 series

**0417 INFORMATION AND COMMUNICATION
TECHNOLOGY**

0417/03

Paper 1 (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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Header
Cand details centre aligned 1 mark

A1 to H1 merged 1 mark
TWCT – Week 14 Payroll 1 mark
18 point 1 mark
Centre aligned 1 mark
Bold sans-serif font 1 mark
White font/black background 1 mark

A Candidate, ZZ999, 9999

TWCT - Week 14 Payroll

Employees

Payroll Number	Employee	Pay code	Pay rate	Contract hours	Hours worked	Pay	Overtime?
T0042	Hernandez	B2	\$9.00	35		\$0.00	Incomplete
T0046	Castro	F1	\$7.50	35		\$0.00	Incomplete
T0044	Amir	F3	\$7.50	12		\$0.00	Incomplete
T0049	Lee	A	\$15.00	35		\$0.00	Incomplete
T0059	Brown	F3	\$7.50	20		\$0.00	Incomplete
T0060	Jaimeson	B4	\$6.20	12		\$0.00	Incomplete
T0048	Dessouky	F1	\$7.50	35		\$0.00	Incomplete
T0057	D'Silva	F2	\$7.25	35		\$0.00	Incomplete
T0050	Schneider	F3	\$7.50	12		\$0.00	Incomplete
T0051	Gomez	F4	\$7.25	6		\$0.00	Incomplete
T0064	Patel	F1	\$7.50	35		\$0.00	Incomplete
T0065	Ali	B1	\$9.45	35		\$0.00	Incomplete
Total						\$0.00	

Rates

Pay code	Contract	Pay rate	Status
F1	Full time	\$7.50	Permanent
F2	Full time	\$7.25	Temporary
A	Full time	\$15.00	Permanent
B1	Full time	\$9.45	Permanent
B2	Full time	\$9.00	Temporary
F3	Parttime	\$7.50	Permanent
B3	Parttime	\$9.00	Permanent
F4	Parttime	\$7.25	Temporary
B4	Parttime	\$6.20	Temporary

Formatting
\$ 2dp 1 mark
Printout 1 mark

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Pay rate
 VLOOKUP 1 mark
 Cell C4 1 mark
 Rates 1 mark
 Column 3 1 mark
 False 1 mark

Pay
 D4 & F4 1 mark
 * 1 mark

Overtime?
 Nested IF – 2 tiers 1 mark
 IF(F4>E4) 1 mark
 "Yes" 1 mark
 IF(F4=E4) 1 mark
 "No" 1 mark
 IF(F4<E4) 1 mark
 "Incomplete" 1 mark
 One logic test will be by default due to other two

TWCT - Week 14 Payroll							
Payroll Number	Employee	Pay code	Pay rate	Contract hours	Hours worked	Pay	Overtime?
T0042	Hernandez	B2	=VLOOKUP(C3,Rates,3,FALSE)	35	35	=D4*F4	=IF(F4<E4,"Incomplete",IF(F4=E4,"Yes","No"))
T0046	Castro	F1	=VLOOKUP(C3,Rates,3,FALSE)	35	35	=D5*F5	=IF(F5<E5,"Incomplete",IF(F5=E5,"Yes","No"))
T0044	Amir	F3	=VLOOKUP(C3,Rates,3,FALSE)	12	10	=D6*F6	=IF(F6<E6,"Incomplete",IF(F6=E6,"Yes","No"))
T0049	Lee	A	=VLOOKUP(C7,Rates,3,FALSE)	35	35	=D7*F7	=IF(F7<E7,"Incomplete",IF(F7=E7,"Yes","No"))
T0059	Brown	F3	=VLOOKUP(C8,Rates,3,FALSE)	20	21	=D8*F8	=IF(F8<E8,"Incomplete",IF(F8=E8,"Yes","No"))
T0060	Jamieson	B4	=VLOOKUP(C9,Rates,3,FALSE)	12	12	=D9*F9	=IF(F9<E9,"Incomplete",IF(F9=E9,"Yes","No"))
T0048	Desouky	F1	=VLOOKUP(C10,Rates,3,FALSE)	35	37	=D10*F10	=IF(F10<E10,"Incomplete",IF(F10=E10,"Yes","No"))
T0057	D'Silva	F2	=VLOOKUP(C11,Rates,3,FALSE)	35	0	=D11*F11	=IF(F11<E11,"Incomplete",IF(F11=E11,"Yes","No"))
T0050	Schneider	F2	=VLOOKUP(C12,Rates,3,FALSE)	12	12	=D12*F12	=IF(F12<E12,"Incomplete",IF(F12=E12,"Yes","No"))
T0051	Gomez	F4	=VLOOKUP(C13,Rates,3,FALSE)	6	7	=D13*F13	=IF(F13<E13,"Incomplete",IF(F13=E13,"Yes","No"))
T0064	Fatel	F1	=VLOOKUP(C14,Rates,3,FALSE)	35	42	=D14*F14	=IF(F14<E14,"Incomplete",IF(F14=E14,"Yes","No"))
T0065	Ali	B1	=VLOOKUP(C15,Rates,3,FALSE)	35	35	=D15*F15	=IF(F15<E15,"Incomplete",IF(F15=E15,"Yes","No"))
					Total	=SUM(G4:G15)	

=SUM(G4:G15) 1 mark
 Row & column headings visible 1 mark
 Replication – Columns D G H 1 mark
 1 page wide & fully visible 1 mark

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A Candidate, ZZ999, 9999

TWCT - Week 14 Payroll

Employees

Payroll Number	Employee	Pay code	Pay rate	Contract hours	Hours worked	Pay	Overtime?
T0042	Hernandez	B2	\$9.00	35	35	\$315.00	No
T0046	Castro	F1	\$7.50	35	35	\$262.50	No
T0044	Amir	F3	\$7.50	12	10	\$75.00	Incomplete
T0049	Lee	A	\$15.00	35	35	\$525.00	No
T0059	Brown	F3	\$7.50	20	21	\$157.50	Yes
T0060	Jaimeson	B4	\$6.20	12	12	\$74.40	No
T0048	Dessouky	F1	\$7.50	35	37	\$277.50	Yes
T0057	D'Silva	F2	\$7.25	35	0	\$0.00	Incomplete
T0050	Schneider	F3	\$7.50	12	12	\$90.00	No
T0051	Gomez	F4	\$7.25	6	7	\$50.75	Yes
T0064	Patel	F1	\$7.50	35	42	\$315.00	Yes
T0065	Ali	B1	\$9.45	35	35	\$330.75	No
Total						\$2,473.40	

Rates

Pay code	Contract	Pay rate	Status
F1	Full time	\$7.50	Permanent
F2	Full time	\$7.25	Temporary
A	Full time	\$15.00	Permanent
B1	Full time	\$9.45	Permanent
B2	Full time	\$9.00	Temporary
F3	Parttime	\$7.50	Permanent
B3	Parttime	\$9.00	Permanent
F4	Parttime	\$7.25	Temporary
B4	Parttime	\$6.20	Temporary

Data entry
Hours worked 1 mark
Total – correct value 1 mark

A Candidate, ZZ999, 9999

TWCT - Week 15 Payroll

Employees

Payroll Number	Employee	Pay code	Pay rate	Contract hours	Hours worked	Pay	Overtime?
T0042	Hernandez	B2	\$9.00	35	36	\$324.00	Yes
T0046	Castro	F1	\$7.50	35	35	\$262.50	No
T0044	Amir	F3	\$7.50	12	12	\$90.00	No
T0049	Lee	A	\$15.00	35	35	\$525.00	No
T0059	Brown	F3	\$7.50	20	21	\$157.50	Yes
T0060	Jaimeson	B4	\$6.20	12	12	\$74.40	No
T0048	Dessouky	F1	\$7.50	35	37	\$277.50	Yes
T0057	D'Silva	F2	\$7.25	35	38	\$275.50	Yes
T0050	Schneider	F3	\$7.50	12	12	\$90.00	No
T0051	Gomez	F4	\$7.25	6	7	\$50.75	Yes
T0064	Patel	F1	\$7.50	35	42	\$315.00	Yes
T0065	Ali	B1	\$9.45	35	24	\$226.80	Incomplete
Total						\$2,668.95	

Rates

Pay code	Contract	Pay rate	Status
F1	Full time	\$7.50	Permanent
F2	Full time	\$7.25	Temporary
A	Full time	\$15.00	Permanent
B1	Full time	\$9.45	Permanent
B2	Full time	\$9.00	Temporary
F3	Part time	\$7.50	Permanent
B3	Part time	\$9.00	Permanent
F4	Part time	\$7.25	Temporary
B4	Part time	\$6.20	Temporary

Data entry
Week 15 in title 1 mark
Hours worked 1 mark
Total – correct value 1 mark

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A Candidate, ZZ999, 9999

TWCT - Week 15 Payroll

Employees

Payroll Number	Employee	Pay code	Pay rate	Contract hours	Hours worked	Pay	Overtime?
T0065	Ali	B1	\$9.45	35	24	\$226.80	Incomplete
T0044	Amir	F3	\$7.50	12	12	\$90.00	No
T0059	Brown	F3	\$7.50	20	21	\$157.50	Yes
T0046	Castro	F1	\$7.50	35	35	\$262.50	No
T0048	Dessouky	F1	\$7.50	35	37	\$277.50	Yes
T0057	D'Silva	F2	\$7.25	35	38	\$275.50	Yes
T0051	Gomez	F4	\$7.25	6	7	\$50.75	Yes
T0042	Hernandez	B2	\$9.00	35	36	\$324.00	Yes
T0060	Jaimeson	B4	\$6.20	12	12	\$74.40	No
T0049	Lee	A	\$15.00	35	35	\$525.00	No
T0064	Patel	F1	\$7.50	35	42	\$315.00	Yes
T0050	Schneider	F3	\$7.50	12	12	\$90.00	No
Total						\$2,668.95	

Rates

Pay code	Contract	Pay rate	Status
F1	Full time	\$7.50	Permanent
F2	Full time	\$7.25	Temporary
A	Full time	\$15.00	Permanent
B1	Full time	\$9.45	Permanent
B2	Full time	\$9.00	Temporary
F3	Part time	\$7.50	Permanent
B3	Part time	\$9.00	Permanent
F4	Part time	\$7.25	Temporary
B4	Part time	\$6.20	Temporary

Sorting
Alphabetically on employee 1 mark

A Candidate, ZZ999, 9999

TWCT - Week 15 Payroll

Employees

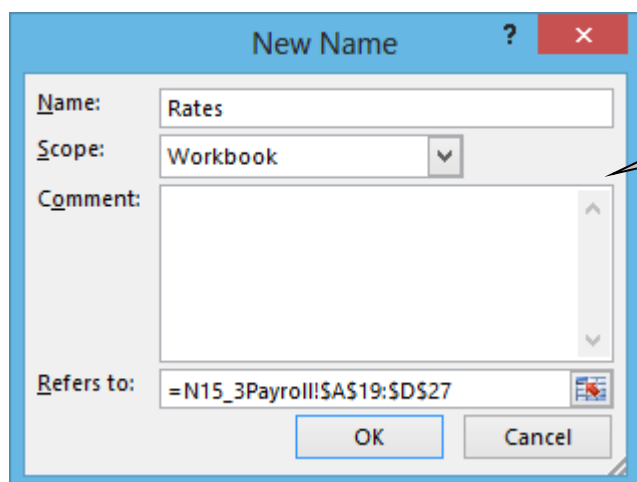
Payroll Number	Employee	Pay code	Pay rate	Contract hours	Hours worked	Pay	Overtime?
T0059	Brown	F3	\$7.50	20	21	\$157.50	Yes
T0048	Dessouky	F1	\$7.50	35	37	\$277.50	Yes
T0057	D'Silva	F2	\$7.25	35	38	\$275.50	Yes
T0051	Gomez	F4	\$7.25	6	7	\$50.75	Yes
T0064	Patel	F1	\$7.50	35	42	\$315.00	Yes

Hidden – Rows 17 to 27 1 mark
Searching – Correct results 1 mark

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Evidence Document

Step 5



Named range Rates 1 mark
Cells A19 to D27 1 mark

Step 11

Test Table

Data chosen Integer value <100 1 mark
Expected correct 1 mark
Actual matches cand function 1 mark

Input		Output		
Cell reference	Data chosen	Cell reference	Expected	Actual
F4	10	G4	90	90

Step 12

Test Table

Input		Output		
Cell reference	Data chosen	Cell reference	Expected	Actual
F4	35	H4	No	No
F4	34	H4	Incomplete	Incomplete
F4	36	H4	Yes	Yes

Data chosen =35 1 mark
Expected = No 1 mark
Actual matches candidate function 1 mark

Data chosen Value <35 1 mark
Expected = Incomplete 1 mark
Actual matches candidate function 1 mark

Data chosen Value >35 1 mark
Expected = Yes 1 mark
Actual matches candidate function 1 mark

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Step 27
Searching Method

TWCT - Week 15 Payroll

Payroll Number	Employee	Pay code	Pay rate	Contract hour	Hours worked	Pay	Overtime
T0059	Brown	F3	\$7.50	20	23	\$157.50	Yes
T0048	Dessouky	F1	\$7.50	35	37	\$277.50	Yes
T0057	O'Shea	F2	\$7.25	35	38	\$275.00	Yes
T0051	Gomez	F4	\$7.25	8	7	\$50.75	Yes
T0064	Rafel	F1	\$7.50	35	42	\$325.00	Yes

Search Overtime Yes 1 mark

TWCT - Week 15 Payroll

Payroll Number	Employee	Pay code	Pay rate	Contract hour	Hours worked	Pay	Overtime
T0059	Brown	F3	\$7.50	20	23	\$157.50	Yes
T0048	Dessouky	F1	\$7.50	35	37	\$277.50	Yes
T0057	O'Shea	F2	\$7.25	35	38	\$275.00	Yes
T0051	Gomez	F4	\$7.25	8	7	\$50.75	Yes
T0064	Rafel	F1	\$7.50	35	42	\$325.00	Yes

Search Pay code Starts with F 1 mark

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Table	Borders visible	1 mark
1st row	Title image	1 mark
2nd row	Alligator image	1 mark
	Elephant image	1 mark
3rd row	Alligator as h2	1 mark
	Elephant as h2	1 mark
4th row	Giraffe image	1 mark
	Rhinoceros image resized	1 mark
5th row	Giraffe as h2	1 mark
	Rhinoceros as h2	1 mark

Step 38

The screenshot shows a web browser window with the address bar containing 'D:\CIE\0417\2015 November\Worked\N15_3.ppt'. The browser menu includes 'File', 'Edit', 'View', 'Favourites', 'Tools', and 'Help'. The page content is on a light green background and features a header with the text 'TWCT Sponsor an animal...' where 'TWCT' is in black and 'Sponsor an animal...' is in red. Below the header is a 2x2 grid of animal images. Each image is contained within a light green rectangular box with a thin black border. Underneath each image is a label: 'Alligator' (under the alligator image), 'Elephant' (under the elephant image), 'Giraffe' (under the giraffe image), and 'Rhinoceros' (under the rhinoceros image). The browser's status bar at the bottom right shows '100%' zoom.

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The screenshot shows a web browser window with a grid of four animal images and their names: Alligator, Elephant, Giraffe, and Rhinoceros. Below the grid is a text box with the instruction: "Click on the name of an animal or the image of an animal to sponsor it. Edited by A Candidate, ZZ999, 9999". A speech bubble points to this text box with the following content: "6th row Click on... ..sponsor it. 1 mark as h2 1 mark Edited by & all candidate details 1 mark as h3 1 mark".

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Step 39

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" type="text/css" href="n15_3_style.css">
</head>
<body>
```

Stylesheet n15_3_style.css attached 1 mark

Table	centre aligned in window	1 mark
1st <tr>	1st <td> 620 × 190 colspan=2	1 mark
2nd <tr>	2 cells @ 310 × 235	1 mark
3rd <tr>	1 st <td> 310 × 80	1 mark
	2 nd <td> 310 × 80	1 mark
4 th <tr>	As 2 nd <tr> or 2@310 × 235	1 mark
5 th <tr>	As 3 rd <tr> or 2@310 × 80	1 mark
6 th <tr>	620 × 160 &colspan=2	1 mark

```
<table border="1" style="margin-left:auto; margin-right:auto;">
<tr style="height:190px;">
<td colspan=2 style="width:620px;">
</td>
</tr>
<tr style="height:235px;">
<td style="width:310px;">
```

All images	Appropriate alt text attributes	1 mark
Hyperlinks from		
▪ Alligator image		1 mark
▪ Alligator text		1 mark
href=" n15_3_alligator.htm"		1 mark
target="_gator"		1 mark

```
<a href="n15_3_alligator.htm" target="_gator"></a>
</td>
<td style="width:310px;">

</td>
</tr>
<tr style="height:80px;">
<td style="width:310px;"><h2><a href="n15_3_alligator.htm"
target="_gator">Alligator</a></h2>
</td>
<td style="width:200px;"><h2>Elephant</h2>
</td>
</tr>
<tr style="height:235px;">
<td style="width:310px;">
</td>
<td style="width:310px;">
</td>
</tr>
<tr style="height:80px;">
<td style="width:235px;"><h2>Giraffe</h2>
</td>
<td style="width:235px;"><h2>Rhinoceros</h2>
</td>
</tr>
```

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```
<tr style="height:160px;">
  <td colspan=2 style="width:620px;">
    <h2>Click on the name of an animal or the image of an animal to
sponsor it.</h2>
    <h3>Edited by A Candidate, ZZ999, 9999</h3>
  </td>
</tr>
</table>
</body>
</html>
```