

# Mark Scheme (Results)

Summer 2013

Applied ICT (6953) Unit 3: The  
Knowledge Worker

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June 2013

Publications Code UA035365

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## General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

**Applied GCE ICT Unit 3 – Mark Scheme – June 2013**

Activity	ANSWER	POSS. MARK	MAX
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<b>Activity 1</b>	<b>Understanding the Situation</b>		
	Must be criteria the <b>design</b> of the race must meet		
	Any 12 of		
A1	6 Stages	<b>1</b>	
A2	Start and finish at the same town	<b>1</b>	
A3	All nine towns must be visited	<b>1</b>	
A4	Stage at least 150km	<b>1</b>	
A5	Stage no more than 200km	<b>1</b>	
A6	Two stages designed as climb stages	<b>1</b>	
A7	Cat 1 climb $\geq 9\%$	<b>1</b>	
A8	Cat 2 climb $> (=) 7\%$ and $< 9\%$ / between 7% and 9%	<b>1</b>	
A9	Climb stage has 2 climbs (cat1 and cat2) of at least 10km	<b>1</b>	
A10	Climb stage has two cat 1 climbs or one cat 1 and one cat 2	<b>1</b>	
A11	1 Sprint Stage	<b>1</b>	
A12	Sprint no more than 5% climbs	<b>1</b>	
A13	In the sprint stage there are <b>at least six checkpoints</b> other than start and finish (8 checkpoints)	<b>1</b>	
A14	The race must take place in the area/Mannot district/ <b>only</b> on the <b>roads on the map/</b> area round the 9 towns	<b>1</b>	
A15	A checkpoint is where two or more roads cross	<b>1</b>	
A16	Stages have no more than 20 checkpoints	<b>1</b>	
		<b>Max 12</b>	<b>12</b>
	Any 5 of		
	<b>Answers must be ways that inaccuracies could have been introduced into the data - not ways of avoiding errors</b>		
B1	Raoul may not walk straight/may not measure the racing line / may take uneven strides	<b>1</b>	
B2	<b>Height</b> measured on watch rounded to <b>metres</b>	<b>1</b>	
B3	<b>Distances</b> rounded to <b>kilometres</b>	<b>1</b>	
B4	Spotters might get riders mixed up/number might have fallen off	<b>1</b>	
B5	Misread clock time	<b>1</b>	
B6	Lots of riders together are difficult to see who was first	<b>1</b>	
B7	Watch / pedometer may not be calibrated (accurately)	<b>1</b>	
B8	Spotters different reaction times	<b>1</b>	
B9	Inaccurate recording / transfer of data	<b>1</b>	

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<b>Activity</b>	<b>ANSWER</b>	<b>POSS. MARK</b>	<b>MAX</b>
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	B10	Anything sensible	<b>1</b>	
				<b>5</b>
		<b>Total Marks for Activity 1</b>		<b>17</b>

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Activity	ANSWER	POSS. MARK	MAX
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<b>Activity 2</b>		<b>Computer Modelling</b>		
(a)		<b>Distances</b>		
	A1	Distances imported correctly	<b>1</b>	
				<b>1</b>

	A	B	C	D	E
3		T1	T2	T3	T4
4	1	12	10	0	0
5	2	9	22	0	10
6	3	18	6	0	22
7	4	19	11	0	6
8	5	8	9	0	11
9	6	9	8	0	9
10	7	19	9	0	8
11	8	11	0	0	9
12	9	25	18	0	0
13	10	32	8	12	18
14	11	11	12	9	8
15	12	6	18	18	12
16	13	12	15	19	18
17	14	21	6	8	15
18	15	6	11	19	22

(b)		<b>Height</b>		
	B1	Heights imported correctly	<b>1</b>	
				<b>1</b>

	M	N
4	Checkpoint	Height
5		1 843
6		2 952
7		3 2261
8		4 1987
9		5 907
10		6 1249
11		7 1236
12		8 1994
13		9 626
14		10 824
15		11 855
16		12 1105
17		13 1306
18		14 1549

**Applied GCE ICT Unit 3 – Mark Scheme – June 2013**

Activity	ANSWER	POSS. MARK	MAX
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(c)	<b>Stage Builder (Visits)</b>			
	C1	<b>Working</b> formula in U28	<b>1</b>	
	C2	Sum function used correctly and replicated correctly	<b>1</b>	
				<b>2</b>

	U	V	W	X	Y
28	=SUM(U6:U27)	=SUM(V6:V27)	=SUM(W6:W27)	=SUM(X6:X27)	=SUM(Y6:Y27)

	Z	AA	AB	AC
	=SUM(Z6:Z27)	=SUM(AA6:AA27)	=SUM(AB6:AB27)	=SUM(AC6:AC27)

**Applied GCE ICT Unit 3 – Mark Scheme – June 2013**

Activity	ANSWER	POSS. MARK	MAX
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	I	J	K
5	Stage 1	Stage 2	Stage 3
6			
7	=IF('Climb Calculation'!J52>0,"Yes","No")	=IF('Climb Calculation'!K52>0,"Yes","No")	=IF('Climb Calculation'!L52>0,"Yes","No")
8	=IF('Climb Calculation'!J53>1,"Yes","No")	=IF('Climb Calculation'!K53>1,"Yes","No")	=IF('Climb Calculation'!L53>1,"Yes","No")
9	=IF('Climb Calculation'!J51<=5%,"Yes","No")	=IF('Climb Calculation'!K51<=5%,"Yes","No")	=IF('Climb Calculation'!L51<=5%,"Yes","No")
10	=IF('Distance Calculation'!B27>=150,"Yes","No")	=IF('Distance Calculation'!C27>=150,"Yes","No")	=IF('Distance Calculation'!D27>=150,"Yes","No")
11	=IF('Distance Calculation'!B27<=200,"Yes","No")	=IF('Distance Calculation'!C27<=200,"Yes","No")	=IF('Distance Calculation'!D27<=200,"Yes","No")
12	Climb	Climb	Sprint
13			
14			
15	=COUNTIF(U28:AC28,0)		
16	=IF(I15=0,"Yes","No")		
17	=COUNTIF(I12:N12,"Climb")		
18	=IF(I17=2,"Yes","No")		
19	=COUNTIF(I12:N12,"Sprint")		
20	=IF(I19=1,"Yes","No")		

(d)		<b>Stage Builder (Criteria) For all IF statements accept reverse</b>		
	D1	<b>Working</b> formula in I7 =IF('Climb Calculation'!J52>0,"Yes","No") or =IF('Climb Calculation'!J52>=1,"Yes","No")		<b>1</b>
	D2	<b>Working</b> formula in I8 =IF('Climb Calculation'!J53>1,"Yes","No") or =IF('Climb Calculation'!J53>=2,"Yes","No")		<b>1</b>
	D3	<b>Working</b> formula in I9 =IF('Climb Calculation'!J51<=0.05,"Yes","No") or =IF('Climb Calculation'!J51<=5%,"Yes","No")		<b>1</b>
	D4	<b>Working</b> formula in I10 =IF('Distance Calculation'!B27>=150,"Yes","No") Or =IF(B30>=150,"Yes","No")		<b>1</b>
	D5	<b>Working</b> formula in I11 =IF('Distance Calculation'!B27<=200,"Yes","No") Or =IF(B30<=200,"Yes","No")		<b>1</b>
	D6	I7:I11 column replicated correctly to K		<b>1</b>
	D7	<b>Working</b> formula in I15 =COUNTIF(U28:AC28,0)		<b>1</b>
	D8	<b>Working</b> formula in I16 =IF(I15=0,"Yes","No")		<b>1</b>
	D9	<b>Working</b> formula in I17 =COUNTIF(I12:N12,"climb")		<b>1</b>
	D10	<b>Working</b> formula in I18 =IF(I17=2,"Yes","No")		<b>1</b>
	D11	<b>Working</b> formula in I19 =COUNTIF(I12:N12,"sprint")		<b>1</b>
	D12	<b>Working</b> formula in I20 =IF(I19=1,"Yes","No")		<b>1</b>
				<b>12</b>



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Activity	ANSWER	POSS. MARK	MAX
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(e)

The solution below is an example only

	A	B	C	D	E	F	G
5	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	
6	Start	Belle de Voi	St Dominic	Laurans	Du Fort	St Dominic	Commenge
7	Checkpoint 1	Caverne de Chauve-souris	Tombeau de Rois	Place de Taureau	Le Monastère	Tombeau de Rois	Ruisseau de la sorcière
8	Checkpoint 2	Le Monastère	Vallon de Cerf	Commenge	Caverne de Chauve-souris	Vallon de Cerf	Croix d'Espoir
9	Checkpoint 3	Grotte du Cadavre	Cafe Retif	Ruisseau de la sorcière	Parc Fierté	Cafe Retif	Du Fort
10	Checkpoint 4	Briems	Le Pont du Troll	Croix d'Espoir	Caverne de Chauve-souris	Le Pont du Troll	Le Monastère
11	Checkpoint 5	Fin de l'Est	Le carrousel magique	Château de Montfort	Belle de Voi	Le carrousel magique	Caverne de Chauve-souris
12	Checkpoint 6	La grâce atterrit	Azennes	Auberge du Dominicain	Grotte du Cadavre	Ecole à vélo	Parc Fierté
13	Checkpoint 7	St Pierre	La Collégiale St Vincente	Gorge de Tournesol	Gorge de Tournesol	La lande d'Enfer	St Pierre
14	Checkpoint 8	Saut de l'amarit	Le Pont du Troll	Grotte du Cadavre	Château de Montfort	Manopix	Saut de l'amarit
15	Checkpoint 9	La grâce atterrit	Cafe Retif	Briems	Croix d'Espoir	Auberge du Dominicain	La grâce atterrit
16	Checkpoint 10	Fin de l'Est	Vallon de Cerf	Eau Rouge	Ruisseau de la sorcière	Briems	Fin de l'Est
17	Checkpoint 11	Belle de Voi	Tombeau de Rois	Manopix	Commenge	Fin de l'Est	Briems
18	Checkpoint 12	No Path	St Dominic	Place de Taureau	Château de Montfort	La grâce atterrit	Auberge du Dominicain
19	Checkpoint 13	No Path	No Path	Laurans	Gorge de Tournesol	St Dominic	Château de Montfort
20	Checkpoint 14	No Path	No Path	No Path	Du Fort	No Path	Commenge
21	Checkpoint 15	No Path	No Path	No Path	No Path	No Path	No Path
22	Checkpoint 16	No Path	No Path	No Path	No Path	No Path	No Path
23	Checkpoint 17	No Path	No Path	No Path	No Path	No Path	No Path
24	Checkpoint 18	No Path	No Path	No Path	No Path	No Path	No Path
25	Checkpoint 19	No Path	No Path	No Path	No Path	No Path	No Path
26	Checkpoint 20	No Path	No Path	No Path	No Path	No Path	No Path
27	End	Belle de Voi	St Dominic	Laurans	Du Fort	St Dominic	Commenge
28	End Point OK	Yes	Yes	Yes	Yes	Yes	Yes
30	Distance	166	156	172	157	192	169

E1	Solution attempted for all stages (must have at least a start point and a first checkpoint)	1
	<b>Only award E2 or E3 if E1 awarded</b>	
E2	Each stage starts and finishes in the same town	1
E3	Each stage starts in a different town	1
E4	Six different solutions (has at least six checkpoints in each stage)	1
E5	All stages long enough (>= 150 km) check row 30.	1
E6	No stages too long (<= 200 km) check row 30.	1

**Applied GCE ICT Unit 3 – Mark Scheme – June 2013**

Activity	ANSWER	POSS. MARK	MAX
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	H	I	J	K	L	M	N
5		Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
6							
7	1 Cat 1 Climb?	Yes	Yes	No	No	No	No
8	2 Cat 1 or Cat 2 Climbs?	Yes	Yes	No	No	No	No
9	Sprint?	No	No	Yes	Yes	No	Yes
10	150K or More?	Yes	Yes	Yes	Yes	Yes	Yes
11	No more than 200K?	Yes	Yes	Yes	Yes	Yes	Yes
12	Choose type of stage	Climb	Climb	Sprint	Normal	Normal	Normal
13							
14	Tour						
15	Number of Towns Not Visited	0					
16	All towns visited	Yes					
17	Number of Climbs	2					
18	2 Climbs	Yes					
19	Number of Sprints	1					
20	1 Sprint	Yes					

		E7 can be awarded if fewer than 6 stages are completed, but relevant formulae must be correct.		
	E7	All towns visited	<b>1</b>	
		<b>All stages must be completed to award E8 or E9</b>		
		To check climb is correct, rows 7 and 8 must be "yes" in addition to "Climb" in row 12		
	E8	Two stages designated climb.	<b>1</b>	
		To check sprint is correct, rows 7 and 8 must be "no", row 9 "yes" and row 12 "Sprint"		
	E9	One stage designated sprint	<b>1</b>	
				9
(f)		<b>Printouts</b>		
		<b>All 6 printouts and no more in right order are required to be eligible for the following marks</b>		
	F1	Row and Column headings and Gridlines on printouts)	<b>1</b>	
	F2	Correct header & footer	<b>1</b>	
	F3	Correct rows and columns printed	<b>1</b>	
				3
		<b>Total Marks for Activity 2</b>		<b>28</b>

Activity 3		Results		
(a)	A1	Data imported correctly		1

1

	A	B	C	D	E	F	G	H
5	No	Name	Team	Stage 1	Climb 1.1	Climb 1.2	Stage 2	Climb 2.1
6	1	Guy LeForge	Commage	6334.030	577.467	3755.241	5341.028	1472.85
7	2	Jean Thierry	Commage	6607.63	494.779	4018.749	5267.024	1340.055
8	3	Michel Bonat	Commage	5646.04	522.5	3616.534	5300.664	1150.74
9	4	Sacha Donat	Commage	6028.51	493.962	3886.28	5543.068	1165.635
10	5	Thomas Benoit	Commage	5236.21	525.179	3578.191	5000.563	1422

	A	B	C
7	1	First	=VLOOKUP(\$A7,'Stage Results'!\$E\$6:\$AB\$45,24,FALSE)
8	2	Second	=VLOOKUP(\$A8,'Stage Results'!\$E\$6:\$AB\$45,24,FALSE)
9	3	Third	=VLOOKUP(\$A9,'Stage Results'!\$E\$6:\$AB\$45,24,FALSE)

(b)		<b>Results (Stage 1) (Column C)</b>		
		Formula in cell C7, should be =VLOOKUP(\$A7,'Stage Results'!\$E\$6:\$AB\$45,24,FALSE) There may be other solutions that would gain marks e.g. INDEX('Stage Results'\$B:\$B, MATCH(1,'Stage Results'!\$E\$1:\$E\$45,0))		
	B1	VLOOKUP or workable function (May use 1 instead of A7, may be no absolute addressing on cell range, may not use false but rest will be OK)		1
	B2	A7 used instead of 1		1
	B3	Absolute addressing on range		1
	B4	False used		1
	B5	Bonus for fully correct formula =VLOOKUP(\$A7,'Stage Results'!\$E\$6:\$AB\$45,24,FALSE)		1

5

**Applied GCE ICT Unit 3 – Mark Scheme – June 2013**

Activity	ANSWER	POSS. MARK	MAX
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(c)

	D	E	F	G
7	First	=VLOOKUP(\$A7,'Stage Results'!\$I\$6:\$AB\$45,20,FALSE)	First	=VLOOKUP(\$A7,'Stage Results'!\$M\$6:\$AB\$45,16,FALSE)
8	Second	=VLOOKUP(\$A8,'Stage Results'!\$I\$6:\$AB\$45,20,FALSE)	Second	=VLOOKUP(\$A8,'Stage Results'!\$M\$6:\$AB\$45,16,FALSE)
9	Third	=VLOOKUP(\$A9,'Stage Results'!\$I\$6:\$AB\$45,20,FALSE)	Third	=VLOOKUP(\$A9,'Stage Results'!\$M\$6:\$AB\$45,16,FALSE)

	H	I	J	K	L	M
7	First	=VLOOKUP(\$A7,'Stage Results'!\$Q\$6:\$AB\$45,12,FALSE)	First	=VLOOKUP(\$A7,'Stage Results'!\$U\$6:\$AB\$45,8,FALSE)	First	=VLOOKUP(\$A7,'Stage Results'!\$Y\$6:\$AB\$45,4,FALSE)
8	Second	=VLOOKUP(\$A8,'Stage Results'!\$Q\$6:\$AB\$45,12,FALSE)	Second	=VLOOKUP(\$A8,'Stage Results'!\$U\$6:\$AB\$45,8,FALSE)	Second	=VLOOKUP(\$A8,'Stage Results'!\$Y\$6:\$AB\$45,4,FALSE)
9	Third	=VLOOKUP(\$A9,'Stage Results'!\$Q\$6:\$AB\$45,12,FALSE)	Third	=VLOOKUP(\$A9,'Stage Results'!\$U\$6:\$AB\$45,8,FALSE)	Third	=VLOOKUP(\$A9,'Stage Results'!\$Y\$6:\$AB\$45,4,FALSE)

**Results (Stages 2 to 6)**

Allow formulae other than VLOOKUP.

C1	<b>Stage 2</b> Working formulae in Column E for 1st, 2nd 3rd positions	<b>1</b>
C2	<b>Stage 3</b> Working formulae in Column G for 1st, 2nd 3rd positions	<b>1</b>
C3	<b>Stage 4</b> Working formulae in Column I for 1st, 2nd 3rd positions	<b>1</b>
C4	<b>Stage 5</b> Working formulae in Column K for 1st, 2nd 3rd positions . Absolute addressing used correctly	<b>1</b>
C5	<b>Stage 6</b> Working formulae in Column M for 1st, 2nd 3rd positions. Position taken from cell	<b>1</b>
		<b>5</b>

	B	C	D
10			<b>Overall Champion</b>
11	First		=VLOOKUP(\$A11,'Stage Results'!\$AA\$6:\$AB\$45,2,FALSE)
12	Second		=VLOOKUP(\$A12,'Stage Results'!\$AA\$6:\$AB\$45,2,FALSE)
13	Third		=VLOOKUP(\$A13,'Stage Results'!\$AA\$6:\$AB\$45,2,FALSE)
14			<b>King of the Mountains</b>
15	First		=VLOOKUP(\$A15,'Climb Results'!\$S\$6:\$T\$45,2,FALSE)
16	Second		=VLOOKUP(\$A16,'Climb Results'!\$S\$6:\$T\$45,2,FALSE)
17	Third		=VLOOKUP(\$A17,'Climb Results'!\$S\$6:\$T\$45,2,FALSE)

(d)

**Results (Overall Competition)**

=VLOOKUP(\$A11,'Stage Results'!\$AA\$6:\$AB\$45,2,FALSE)

D1	Working formula in D11	<b>1</b>
D2	Stage results table range uses absolute addressing	<b>1</b>
D3	False Option used	<b>1</b>
D4	A11(Or A7 etc used)	<b>1</b>
		<b>4</b>

(e)

**Results (King of the Mountains)**

=VLOOKUP(\$A15,'Climb Results'!\$S\$6:\$T\$45,2,FALSE)

E1	Working formula	<b>1</b>
E2	Replicable	<b>1</b>
		<b>2</b>

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Activity	ANSWER	POSS. MARK	MAX
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	I	J	K
10			<b>Team Event</b>
11	First		=VLOOKUP(A11,'Team Results'!\$U\$6:\$V\$13,2,FALSE)
12	Second		=VLOOKUP(A12,'Team Results'!\$U\$6:\$V\$13,2,FALSE)
13	Third		=VLOOKUP(A13,'Team Results'!\$U\$6:\$V\$13,2,FALSE)
14			<b>Sprint Cup</b>
15	First		=VLOOKUP(\$A15,'Sprint Result'!\$Y\$6:\$Z\$45,2,FALSE)
16	Second		=VLOOKUP(\$A16,'Sprint Result'!\$Y\$6:\$Z\$45,2,FALSE)
17	Third		=VLOOKUP(\$A17,'Sprint Result'!\$Y\$6:\$Z\$45,2,FALSE)

(f)		<b>Results (Sprint Cup)</b> =VLOOKUP(\$A15,'Sprint Result'!\$Y\$6:\$Z\$45,2,FALSE)		
	F1	Working formulae	<b>1</b>	
	F2	Replicable	<b>1</b>	
				<b>2</b>

(g)		<b>Results (Golden Sunflower)</b> =VLOOKUP(\$A11,'Team Results'!\$U\$6:\$V\$13,2,FALSE)		
	G1	Working formula	<b>1</b>	
	G2	Replicable	<b>1</b>	
				<b>2</b>

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2														
3				<b>Tour de Tournesol</b>										
4														
5														
6			Stage 1		Stage 2		Stage 3		Stage 4		Stage 5		Stage 6	
7	1	First	Louis LeRoux	First	Gérard Ivern	First	David Petit	First	Gaston Matteau	First	Gaston Matteau	First	Yves Calmet	
8	2	Second	Xavier Rousseau	Second	Auguste Magnét	Second	Bernard LeClerc	Second	Auguste Magnét	Second	Auguste Magnét	Second	Gabriel Iche	
9	3	Third	Marcel LeBrun	Third	Richard Gaston	Third	Gilbert DePraz	Third	Martin Camo	Third	Martin Camo	Third	Serge Meyer	
10				<b>Overall Champion</b>							<b>Team Event</b>			
11	1	First		Gaston Matteau				1	First		Laurans			
12	2	Second		Auguste Magnét				2	Second		Briems			
13	3	Third		Thomas Benoit				3	Third		St Dominic			
14				King of the Mountains							Sprint Cup			
15	1	First		Frédéric Belmas				1	First		Serge Meyer			
16	2	Second		Henri Jeune				2	Second		Gilles Breton			
17	3	Third		Gilbert DePraz				3	Third		Yves Calmet			
18														
19														
20														

(h)		<b>Results (Data)</b>		
	H1	Overall Champion Results Correct	<b>1</b>	
	H2	King of the mountains result correct	<b>1</b>	
	H3	Sprint Cup result correct	<b>1</b>	
	H4	Golden Sunflower result correct	<b>1</b>	
				<b>4</b>

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<b>Activity</b>	<b>ANSWER</b>	<b>POSS. MARK</b>	<b>MAX</b>
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		<b>Printouts</b>		
(i)		<b>Min 3 printouts in right order are required to be eligible for the following marks</b>		
	I1	Row and Column headings and Gridlines on all worksheets	<b>1</b>	
	I2	Correct header & footer on all worksheets	<b>1</b>	
	I3	Correct rows and columns printed on all worksheets	<b>1</b>	
				3
		<b>Total Marks for Activity 3</b>		<b>28</b>

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Activity	ANSWER	POSS. MARK	MAX
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Activity 4	Report and evaluation		
<p><b>Indicative content</b></p> <p>In report format, not a memo or a letter. Suitable for audience.</p> <p><b>Suitable title</b> e.g. Suggested Routes for the 2013 Tour de Tournesol.</p> <p><b>Introduction</b> including the nature of the Tour de Tournesol and how the model is used.</p> <p><b>Suggested routes</b>, justification of the routes with reference to criteria:</p> <ol style="list-style-type: none"> <li>1. Visits all towns</li> <li>2. Each stage starts and finishes in same place</li> <li>3. Two climb stages</li> <li>4. Two climbs in each and at least 1 cat 1</li> <li>5. 1 sprint</li> <li>6. Gradient &lt;5%</li> </ol> <p><b>Explanation of results page</b></p> <p><b>Charts</b> (if included) :</p> <ul style="list-style-type: none"> <li>• Two required charts – 1 for each Climb</li> <li>• Line or scattergram</li> <li>• Embedded in report</li> </ul> <p><b>Evaluation and enhancement</b></p> <p>How easy was the model to use</p> <p>Improvements for next year examples</p> <ul style="list-style-type: none"> <li>• At the moment Climb can be selected with only 1 CAT 1 climb included in the stage</li> <li>• The range used to count the number of times a town is visited includes the last town visited twice</li> <li>• Colours only relevant if mention of colour blindness included.</li> <li>• In drop down box for next town it would be helpful to include the distance and relative height difference</li> </ul> <p><b>Conclusion.</b></p>			

**Applied GCE ICT Unit 3 – Mark Scheme – June 2013**

<b>Activity</b>	<b>ANSWER</b>	<b>POSS. MARK</b>	<b>MAX</b>
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<b>Level</b>	<b>Marks</b>	
Level 0	0 marks	No rewardable content
Level 1	1-5	The report shows recommended routes for stages although they may not comply with all the constraints and would not be fully justified. Charts may be included but may not be the ones required and will probably be bar charts or even pie charts. The charts will not be referred to in the report but will just be included because charts are always required. The layout may not look like a report and there will be few, if any, headings and sub-headings. There will be limited discussion about ease of use of the model. Spelling, grammar and language will be used with limited accuracy.
Level 2	6-10	The report shows recommended routes for stages which comply with all the constraints and justified using most of the constraints. Charts will be included and will be the ones required but may not be the correct type. The charts will be referred to in the report but not used to extend the report. The layout will look like a report and there will be a few, sub-headings. There will be some discussion about ease of use of the model with some suggestions for basic improvements. Spelling, grammar and language will be used with reasonable accuracy.
Level 3	11-15	The report shows recommended routes for stages which comply with all the constraints and justified using all of the constraints. Charts will be included and will be the ones required and will be the correct type. The charts will be referred to in the report and used to extend the report. The layout will look like a report partitioned using sensible sub-headings. There will be detailed discussion about ease of use of the model with suggestions for improvements with explanation of how the improvements can be made. The results section will be referred to. Spelling, grammar and language will be used with considerable accuracy. The candidate uses a range of appropriate specialist terms and shows good focus and organisation.

		<b>Total Marks for Activity 5</b>	<b>15</b>
<b>SWW</b>			
	S1	Authenticating Work (All WP pages have task number, Name, centre number).	<b>1</b>
	S2	Appropriate Structure (Pages in correct order & Folder assembled correctly)	<b>1</b>
		<b>Total for SWW</b>	<b>2</b>
		<b>Total for Paper</b>	<b>90</b>



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