UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE Advanced Subsidiary Level and GCE Advanced Level

MARK SCHEME for the October/November 2008 question paper

9713 APPLIED ICT

9713/02 Paper 2 (Practical Test A), maximum raw mark 120

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.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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

CIE is publishing the mark schemes for the October/November 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

UNIVERSITY of CAMBRIDGE
International Examinations

No marks to be awarded for any printout not containing the candidate name, candidate number and Centre number

Step 3

Candidate name, Centre number and candidate number

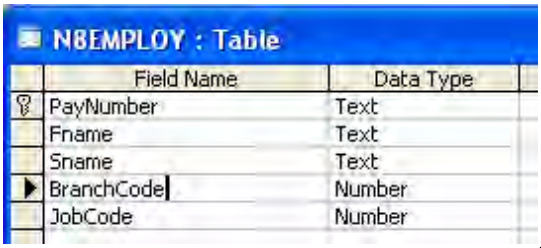

Table created
Correct fields 1 mark
3 text fields 1 mark
2 number fields 1 mark
Primary key correct 1 mark

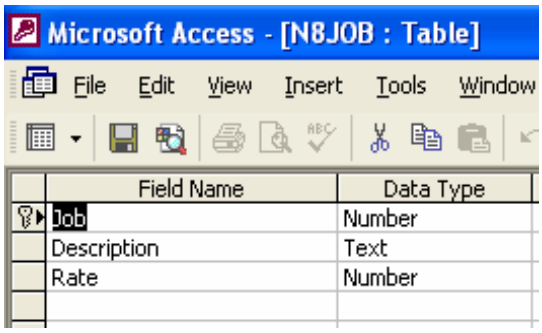

Table created
Correct fields & field types 1 mark
Primary key correct 1 mark

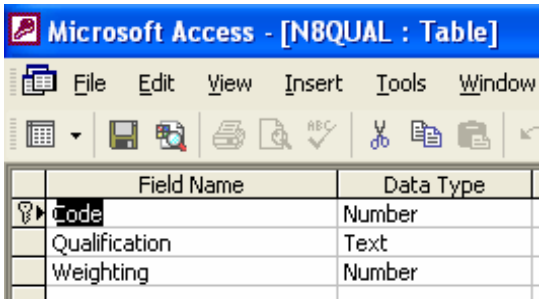

Table created
Correct fields & field types 1 mark
Primary key correct 1 mark

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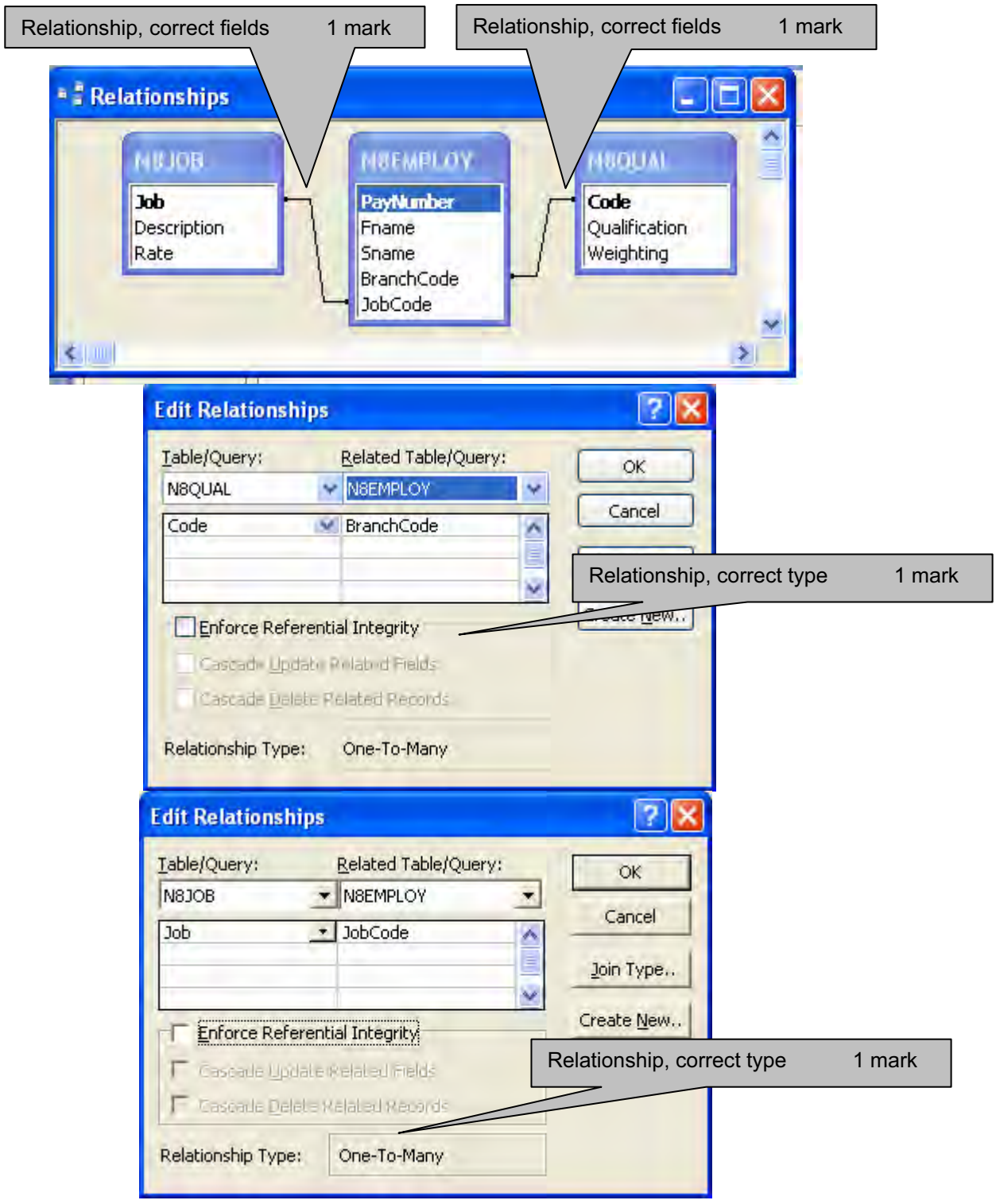
Step 5

Candidate name, Centre number and candidate number



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Step 7

In header 1 mark

Candidate name, Centre number and candidate number

Title 100% correct 1 mark

List of managers

Qualification	Description	Fname	Sname
ADHM	Sales Manager	Ritu	Liu
AHM	Restaurant Manager	Shruti	Di Vizio
AHM	Human Resources Manager	Adheesh	Agrawal
AHM	IS Manager	Arjeet	Ravi
HCAT	Kids Club Manager	Keshav	Shoaib
HCAT	Housekeeping Manager	Kratika	Gupta
NVQ L1	Shop Manager	Nripesh	Ratwani
NVQ L1	Entertainment Manager	Nedeem	Nainani
NVQ L1	Assistant Manager	Mohamed	Surit
NVQ L2	Assistant Sales Manager	Ahmed	Malviya
NVQ L3	Assistant Restaurant Manager	Siddharth	Khan
NVQ L3	Catering Manager	Siddharth	Afana
NVQ L4	General Manager	Siddharth	Gad

Wildcard search on Manager 2 marks
No marks unless correct wildcard search
Sorted ascending on qualification 1 mark
Correct 4 fields only & fully visible 1 mark

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Step 10

In header 1 mark

Candidate name, Centre number and candidate number

Selection criteria
NVQ L1, NVQ L2, NVQ L3 or NVQ L4 2 marks
Column headings
Qualification names 1 mark

Number of NVQ qualifications

Title 100% correct 1 mark

Description	NVQ L1	NVQ L2	NVQ L3	NVQ L4
Assistant Manager	1			
Assistant Restaurant Manager			1	
Assistant Sales Manager		1		
Catering Manager			1	
Chef	1			
Company Secretary		1		
Entertainer	11			
Entertainment Manager	1			
Financial Director	1	2		
Gardener	2			
General Manager				1
Housekeeping	1		1	
IS Technician			1	
Lifeguard	3			
Maintenance	2	2		
Maintenance Supervisor		1		
Porter	1			
Receptionist		1		
Retail Salesperson	3			
Sales Assistant		8		
Security	1			
Shop Manager	1			
Temporary staff	1			

Cross tab
Created 2 marks
Values as shown 2 marks
Row headings
Descriptions 1 mark

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Step 18

Title 100% correct 1 mark

Pay Field
Calculated at run time 2 marks
Rate x weighting (figures as shown) 2 marks

Rates of pay for catering employees

Qualification	PayNumber	Fname	Sname	Description	Pay
AHM					
	TB0070	Ankur	Pavia	Catering Assistant	33600
	TB0028	Sagar	Gupta	Assistant Chef	96621
	TB0023	Shruti	Di Vizio	Restaurant Manager	108150
	TB0006	Mohammed	Amen	Chef	111615
	TB0005	Ruksana	Akhtar	Catering Assistant	33600
	TB0004	Chantal	Ahmad	Souffle Chef	94710
Summary for 'Qualification' = AHM (6 detail records)					
Sum					**478296**
DHM					
	TB0010	Shashank	Ashwani	Chef	143505
Summary for 'Qualification' = DHM (1 detail record)					
Sum					**143505**
NVQ L1					
	TB0017	Majid	Chauhan	Chef	116930
Summary for 'Qualification' = NVQ L1 (1 detail record)					
Sum					**116930**
NVQ L3					
	TB0044	Siddharth	Khan	Assistant Restaurant	103068
	TB0001	Siddharth	Afana	Catering Manager	173600
Summary for 'Qualification' = NVQ L3 (2 detail records)					
Sum					**276668**
Grand Total					**1015399**

By A Candidate, Candidate 99999, Centre XX999

Selection criteria
JobCode >53 & <80 (these jobs only) 2 marks
Fields
Only these 6 fields shown 1 mark
Grouping
Grouped by qualification 2 marks
Group footer – correct subtotal 2 marks
Report footer
Name, centre no, candidate number 1 mark
Calculated control for sum (correct) 2 marks
Single page & fully visible 1 mark
Subtotals and Total in bold font 1 mark

Step 20

Title 100% correct 1 mark

Catering employees summary

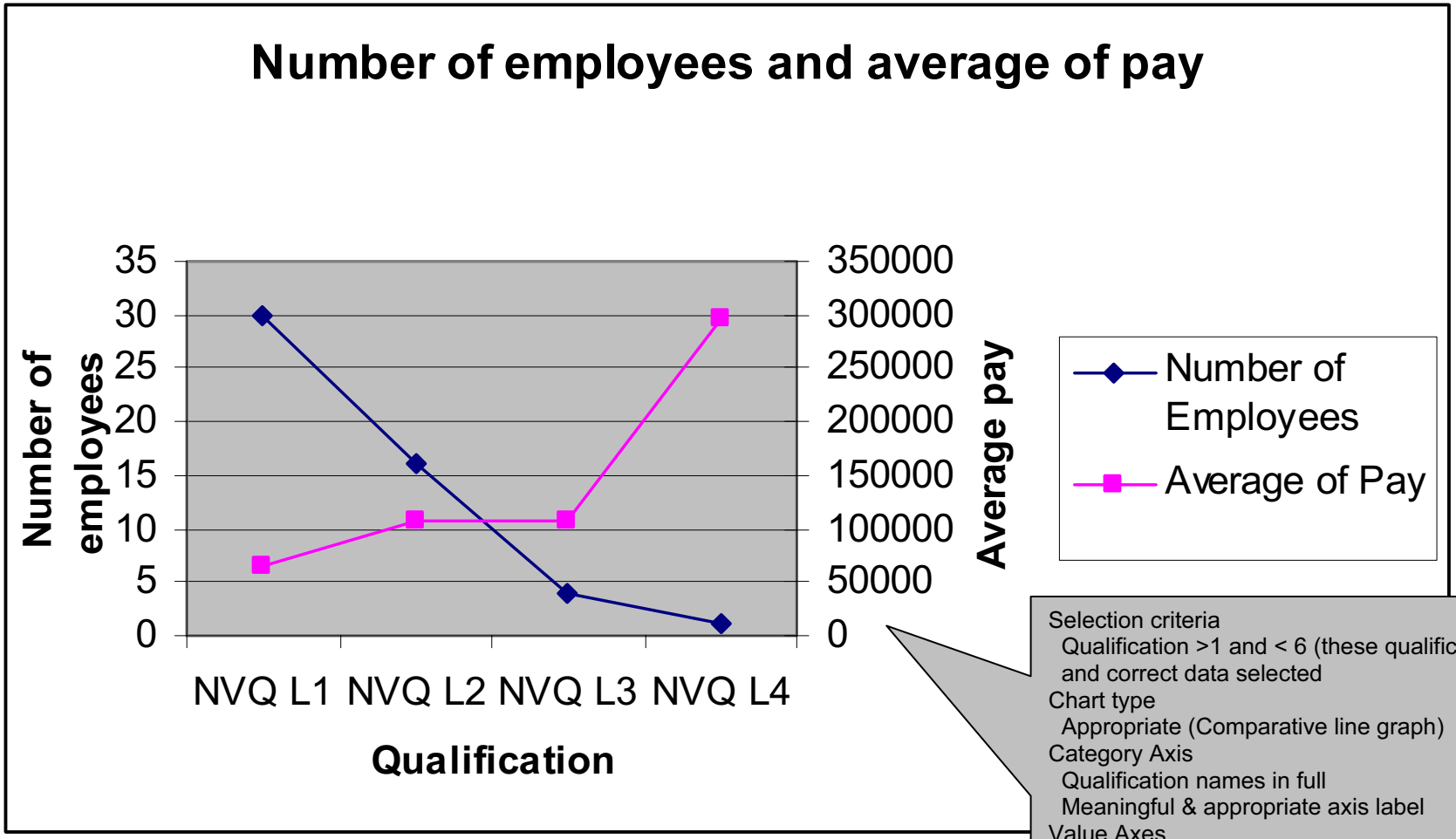
Qualification	PayNumber	Fname	Sname	Description	Pay
AHM					
	TB0070	[redacted]	[redacted]	Catering Assistant	
	TB0028			Assistant Chef	
	TB0023			Restaurant Manager	
	TB0006			Chef	
	TB0005			Catering Assistant	
	TB0004			Souffle Chef	
Summary for 'Qualification' = AHM (6 detail records)					
Sum					**478296**
DHM					
	TB0010	[redacted]	[redacted]	Chef	
Summary for 'Qualification' = DHM (1 detail record)					
Sum					**143505**
NVQ L1					
	TB0017	[redacted]	[redacted]	Chef	
Summary for 'Qualification' = NVQ L1 (1 detail record)					
Sum					**116930**
NVQ L3					
	TB0044	[redacted]	[redacted]	Assistant Restaurant Manage	
	TB0001			Catering Manager	
Summary for 'Qualification' = NVQ L3 (2 detail records)					
Sum					**276668**
Grand Total					**1015399**

Fname 'black text and background' 1 mark
Sname 'black text and background' 1 mark

Individual pay figures invisible 1 mark
Subtotals and total still as original print 1 mark

Step 23

Candidate name, Centre number and candidate number



Selection criteria	
Qualification >1 and < 6 (these qualifications only) and correct data selected	2 marks
Chart type	
Appropriate (Comparative line graph)	2 marks
Category Axis	
Qualification names in full	1 mark
Meaningful & appropriate axis label	1 mark
Value Axes	
2 axes shown	1 mark
Meaningful & appropriate axis labels	2 marks
Chart Title	
Meaningful & appropriate chart title	1 mark
Title of appropriate size	1 mark
Series labels	
Visible, correct and appropriate (may be in a legend)	2 marks

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Step 36

Title 100% correct 1 mark

Search Fridge = 0 2 marks

Rooms requiring a fridge

Single	42
Double	80
Both	41
Fridge	3
Television	2

Formatting
Row 7 and column A – centre 1 mark
Row 7 and column A – bold and italic 1 mark
Last 4 columns Sri Lanka rupees 1 mark
2 dp 1 mark

Room	*Code*	*Guest*	*Basic*	*Fridge*	*Television*	*Total*
109	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
110	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
114	3DNTNNNA	3	LKR 240.00	LKR 0.00	LKR 2.00	LKR 242.00
115	3DNTNNNA	3	LKR 240.00	LKR 0.00	LKR 2.00	LKR 242.00
118	3DNTNNNA	3	LKR 240.00	LKR 0.00	LKR 2.00	LKR 242.00
207	2DNTNPNA	2	LKR 160.00	LKR 0.00	LKR 2.00	LKR 162.00
209	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
210	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
305	2DNTNSNA	2	LKR 160.00	LKR 0.00	LKR 2.00	LKR 162.00
309	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
310	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
317	3DNTNNNA	3	LKR 240.00	LKR 0.00	LKR 2.00	LKR 242.00
409	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
410	2DNNNPNA	2	LKR 160.00	LKR 0.00	LKR 0.00	LKR 160.00
512	4BNTBNNA	4	LKR 164.00	LKR 0.00	LKR 2.00	LKR 166.00

Single page 1 mark
All visible 1 mark

Candidate name, Centre number and candidate number

In footer 1 mark

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Step 38

Formulae Used

Title 100% correct 1 mark

	A	B	C	D
1	***Single***	42		
2	***Double***	80		
3	***Both***	41		
4	***Fridge***	3		
5	***Television***	2		
6				
7	***Room***	***Code***	***Guest***	***Basic***
16	***109***	2DNNNPNA	=VALUE(MID(B16,1,1))	=IF(MID(B16,2,1)="D",DBL*C16,IF(MID(B16,2,1)="S",SGL*C16,IF(MID(B16,2,1)="B",BTH*C16,0)))
17	***110***	2DNNNPNA	=VALUE(MID(B17,1,1))	=IF(MID(B17,2,1)="D",DBL*C17,IF(MID(B17,2,1)="S",SGL*C17,IF(MID(B17,2,1)="B",BTH*C17,0)))
21	***114***	3DNTNNNA	=VALUE(MID(B21,1,1))	=IF(MID(B21,2,1)="D",DBL*C21,IF(MID(B21,2,1)="S",SGL*C21,IF(MID(B21,2,1)="B",BTH*C21,0)))
22	***115***	3DNTNNNA	=VALUE(MID(B22,1,1))	=IF(MID(B22,2,1)="D",DBL*C22,IF(MID(B22,2,1)="S",SGL*C22,IF(MID(B22,2,1)="B",BTH*C22,0)))
25	***118***	3DNTNNNA	=VALUE(MID(B25,1,1))	=IF(MID(B25,2,1)="D",DBL*C25,IF(MID(B25,2,1)="S",SGL*C25,IF(MID(B25,2,1)="B",BTH*C25,0)))
32	***207***	2DNTNPNA	=VALUE(MID(B32,1,1))	=IF(MID(B32,2,1)="D",DBL*C32,IF(MID(B32,2,1)="S",SGL*C32,IF(MID(B32,2,1)="B",BTH*C32,0)))
34	***209***	2DNNNPNA	=VALUE(MID(B34,1,1))	=IF(MID(B34,2,1)="D",DBL*C… …BTH*C34,0)))
35	***210***	2DNNNPNA	=VALUE(MID(B35,1,1))	=IF(MID(B35,2,1)="D",DBL*C… …BTH*C35,0)))
48	***305***	2DNTNSNA	=VALUE(MID(B48,1,1))	=IF(MID(B48,2,1)="D",DBL*C… …BTH*C48,0)))
52	***309***	2DNNNPNA	=VALUE(MID(B52,1,1))	=IF(MID(B52,2,1)="D",DBL*C… …BTH*C52,0)))
53	***310***	2DNNNPNA	=VALUE(MID(B53,1,1))	=IF(MID(B53,2,1)="D",DBL*C… …BTH*C53,0)))
60	***317***	3DNTNNNA	=VALUE(MID(B60,1,1))	=IF(MID(B60,2,1)="D",DBL*C… …BTH*C60,0)))
70	***409***	2DNNNPNA	=VALUE(MID(B70,1,1))	=IF(MID(B70,2,1)="D",DBL*C… …BTH*C70,0)))
71	***410***	2DNNNPNA	=VALUE(MID(B71,1,1))	=IF(MID(B71,2,1)="D",DBL*C… …BTH*C71,0)))
91	***512***	4BNTBNNA	=VALUE(MID(B91,1,1))	=IF(MID(B91,2,1)="D",DBL*C… …BTH*C91,0)))

Guest

Mid or left function used	1 mark
Correct cell reference	1 mark
First position in string	1 mark
1 character extraction	1 mark
Turned into a numeric value	1 mark

Basic

Mid function used	1 mark
Correct cell reference	1 mark
Second position in string	1 mark
1 character extraction	1 mark
Nested IF (or appropriate alternative)	2 marks
D and correct formulae (works)	1 mark
S and correct formulae (works)	1 mark
B and correct formulae (works)	1 mark
Any other returns 0	1 mark
All 3 cells correct for column B reference (Allow named range)	1 mark
All 3 cells correct for column C reference (Allow named range)	1 mark
Correct named cells	3 marks

Candidate name, Centre number and candidate number

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Fridge
- Mid function used 1 mark
- Correct cell reference 1 mark
- Third position in string 1 mark
- 1 character extraction 1 mark
- IF "F" then correct return 1 mark
- Correct named cell 1 mark
- Any other returns 0 1 mark

Television
- Mid function used 1 mark
- Correct cell reference 1 mark
- 4th position in string 1 mark
- 1 character extraction 1 mark
- IF "T" then correct return 1 mark
- Correct named cell 1 mark
- Any other returns 0 1 mark

Total
- Correct addition 1 mark

5			
6			
7	***Fridge***	***Television***	***Total***
16	=IF(MID(B16,3,1)="F",FR,0)	=IF(MID(B16,4,1)="T",TV,0)	=D16+E16+F16
17	=IF(MID(B17,3,1)="F",FR,0)	=IF(MID(B17,4,1)="T",TV,0)	=D17+E17+F17
21	=IF(MID(B21,3,1)="F",FR,0)	=IF(MID(B21,4,1)="T",TV,0)	=D21+E21+F21
22	=IF(MID(B22,3,1)="F",FR,0)	=IF(MID(B22,4,1)="T",TV,0)	=D22+E22+F22
25	=IF(MID(B25,3,1)="F",FR,0)	=IF(MID(B25,4,1)="T",TV,0)	=D25+E25+F25
32	=IF(MID(B32,3,1)="F",FR,0)	=IF(MID(B32,4,1)="T",TV,0)	=D32+E32+F32
34	=IF(MID(B34,3,1)="F",FR,0)	=IF(MID(B34,4,1)="T",TV,0)	=D34+E34+F34
35	=IF(MID(B35,3,1)="F",FR,0)	=IF(MID(B35,4,1)="T",TV,0)	=D35+E35+F35
48	=IF(MID(B48,3,1)="F",FR,0)	=IF(MID(B48,4,1)="T",TV,0)	=D48+E48+F48
52	=IF(MID(B52,3,1)="F",FR,0)	=IF(MID(B52,4,1)="T",TV,0)	=D52+E52+F52
53	=IF(MID(B53,3,1)="F",FR,0)	=IF(MID(B53,4,1)="T",TV,0)	=D53+E53+F53
60	=IF(MID(B60,3,1)="F",FR,0)	=IF(MID(B60,4,1)="T",TV,0)	=D60+E60+F60
70	=IF(MID(B70,3,1)="F",FR,0)	=IF(MID(B70,4,1)="T",TV,0)	=D70+E70+F70
71	=IF(MID(B71,3,1)="F",FR,0)	=IF(MID(B71,4,1)="T",TV,0)	=D71+E71+F71
91	=IF(MID(B91,3,1)="F",FR,0)	=IF(MID(B91,4,1)="T",TV,0)	=D91+E91+F91

Replication
- Correct replication 1 mark
- All formulae fully visible 1 mark
- All labels fully visible 1 mark

Row and column headings visible 1 mark
Landscape orientation 1 mark

Candidate name, Centre number and candidate number

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Step 40

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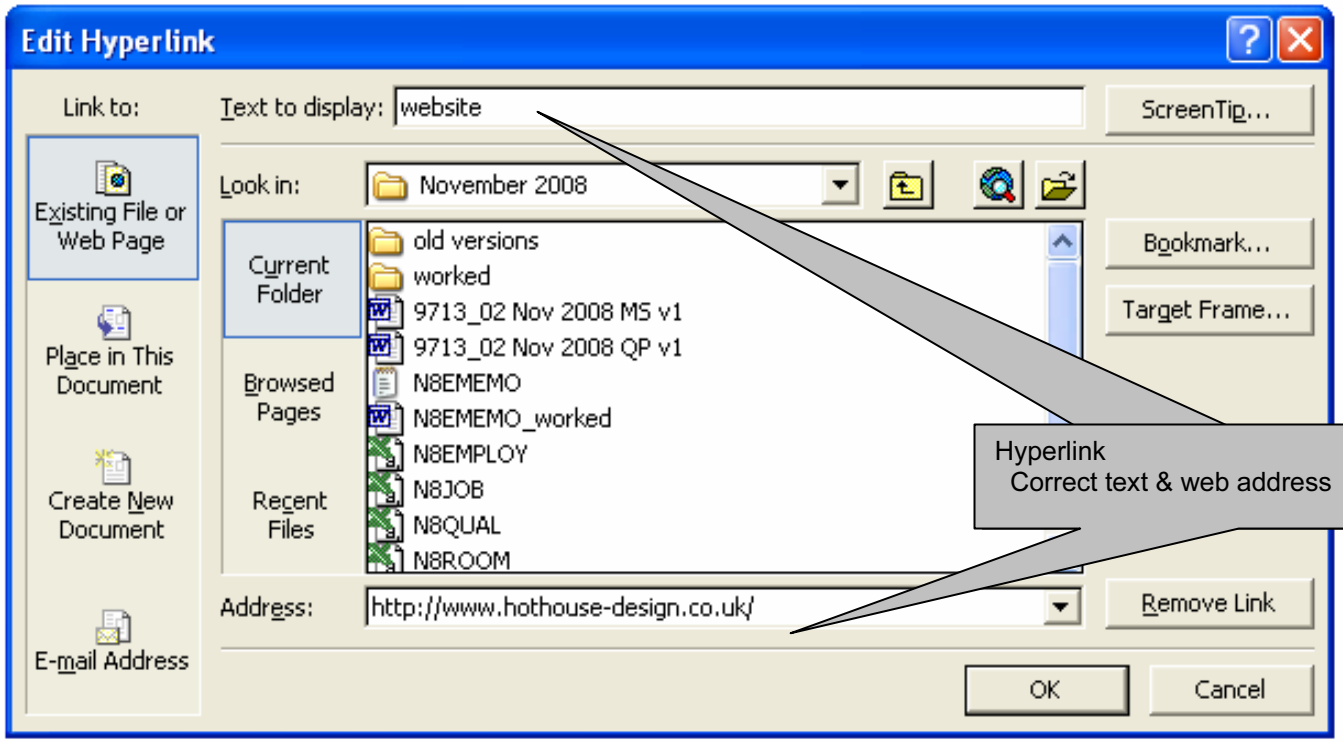
Candidate name, centre number and candidate number



Hyperlink
Correct text & web address 1 mark

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Step 41

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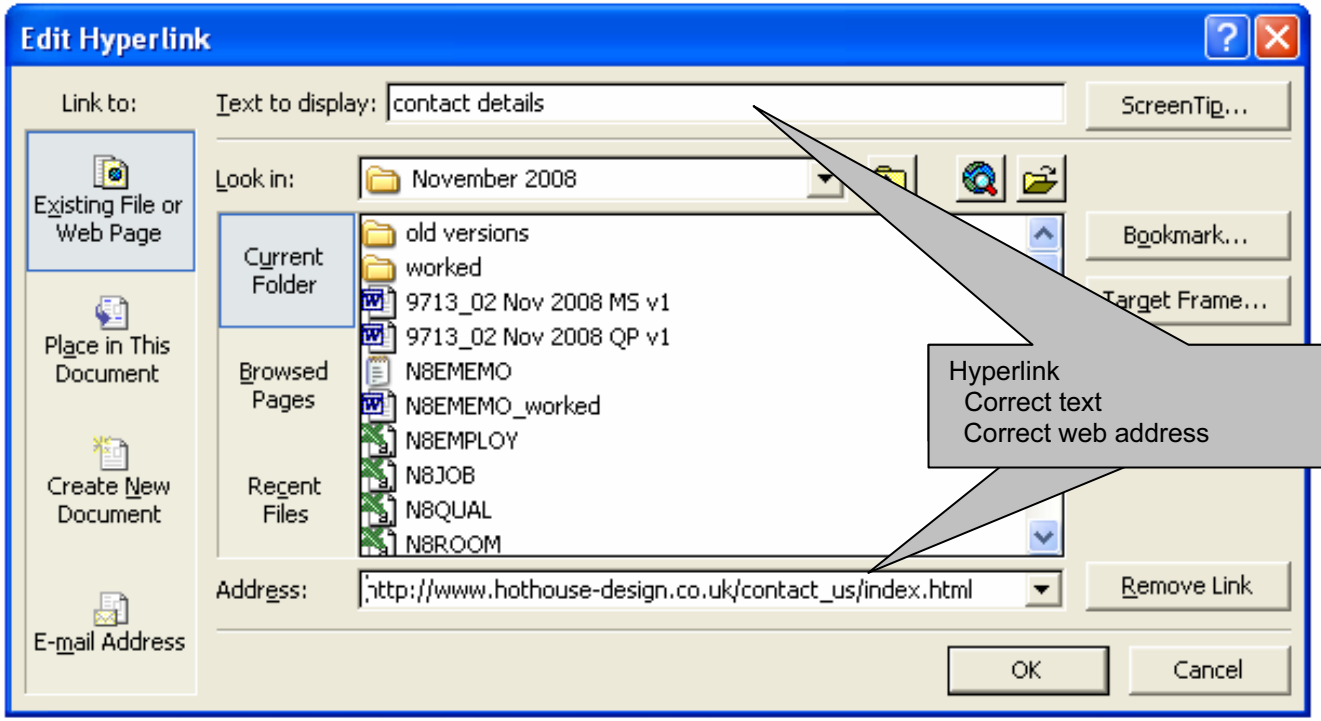

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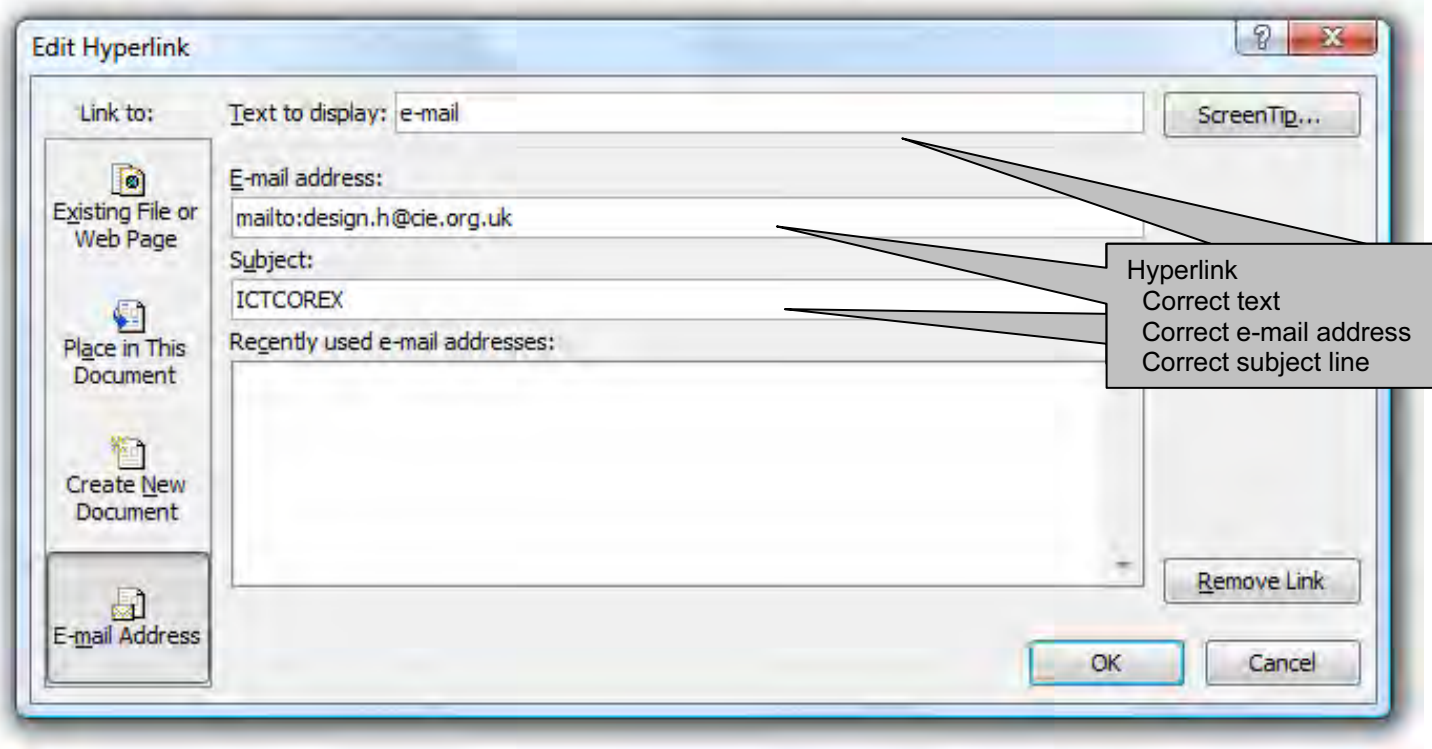

Hyperlink

Correct text	1 mark
Correct e-mail address	1 mark
Correct subject line	1 mark

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