

**CAMBRIDGE INTERNATIONAL EXAMINATIONS**  
GCE Advanced Subsidiary Level and GCE Advanced Level

**MARK SCHEME for the May/June 2013 series**

**9713 APPLIED INFORMATION & COMMUNICATION  
TECHNOLOGY**

**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, 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.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2013 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

<b>Page 2</b>	<b>Mark Scheme</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>GCE AS/A LEVEL – May/June 2013</b>	<b>9713</b>	<b>02</b>

# **9713 – June 2013**

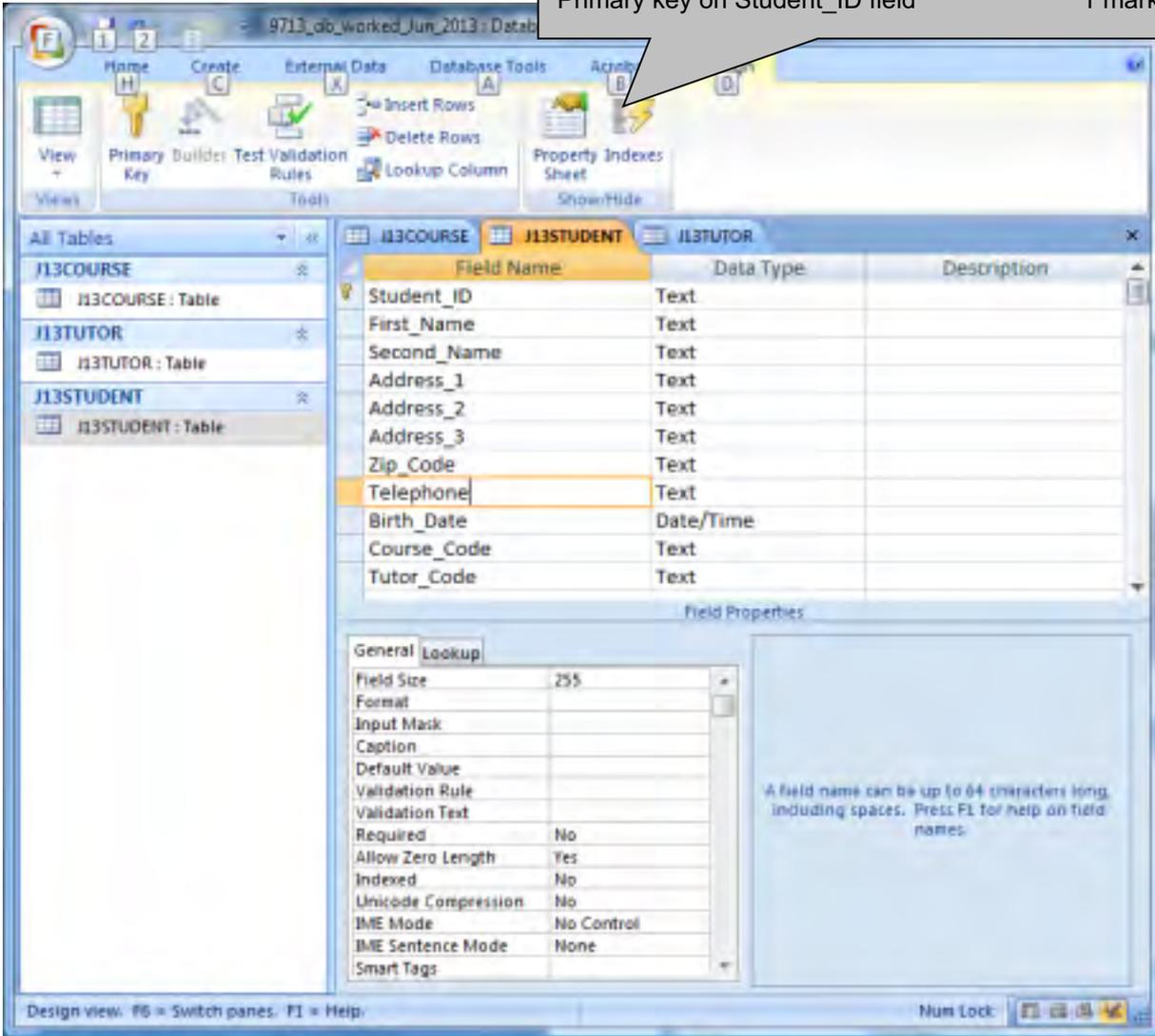
## **AS Level – Paper 2 – Practical Test**

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

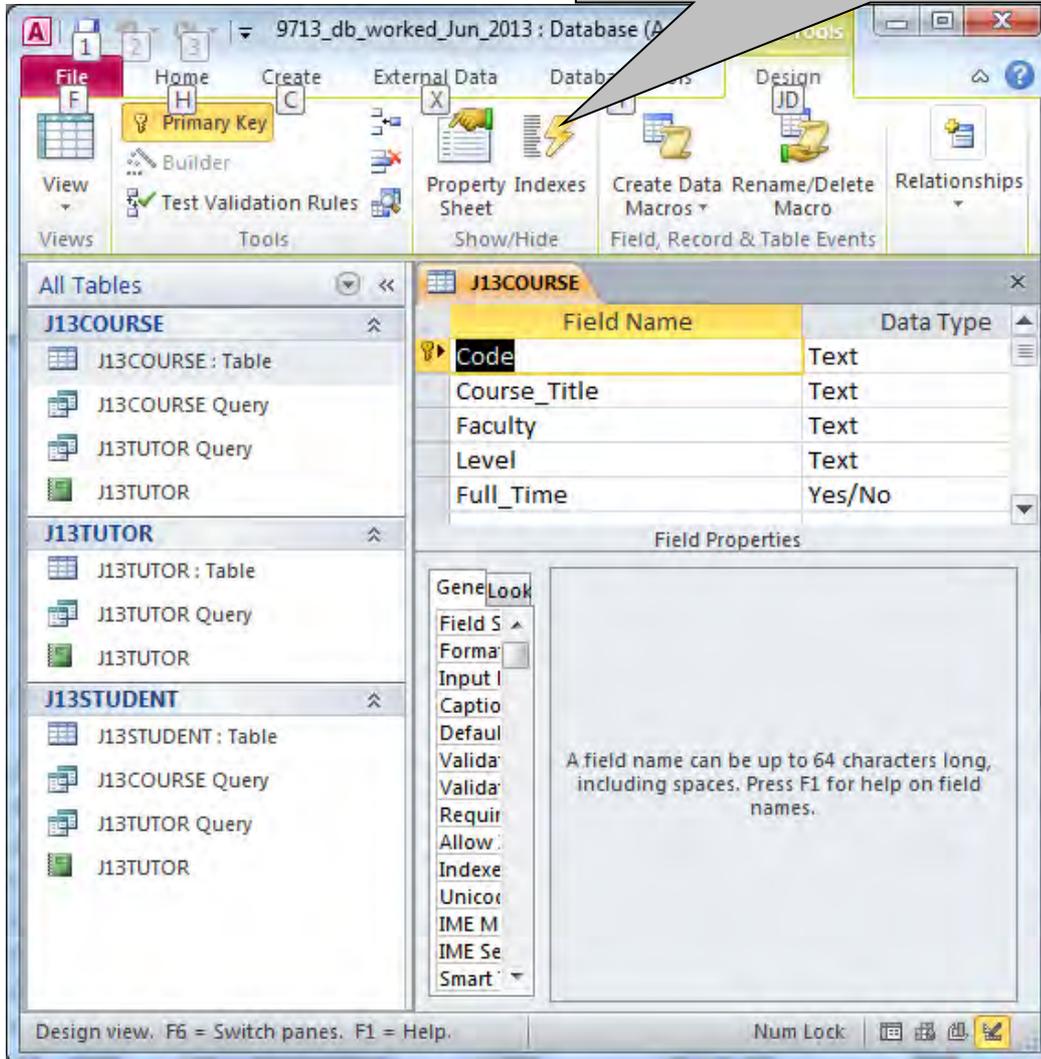
Step 2

Candidate name, centre number and candidate number

**STUDENT** Table created  
 Appropriate table name 1 mark  
 Appropriate field name – Second name 1 mark  
 Appropriate field names – 3 address fields 3 marks  
 Field types (1 mark per field) 11 marks  
 Primary key on Student\_ID field 1 mark



**COURSE** Table created 1 mark  
 Appropriate table name 1 mark  
 Appropriate field names 5 marks  
 Field types (1 mark per field) 1 mark  
 Key on Code field



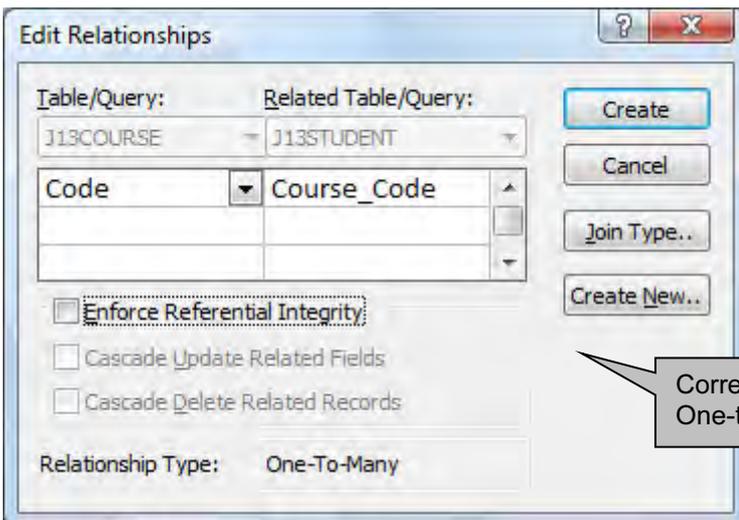
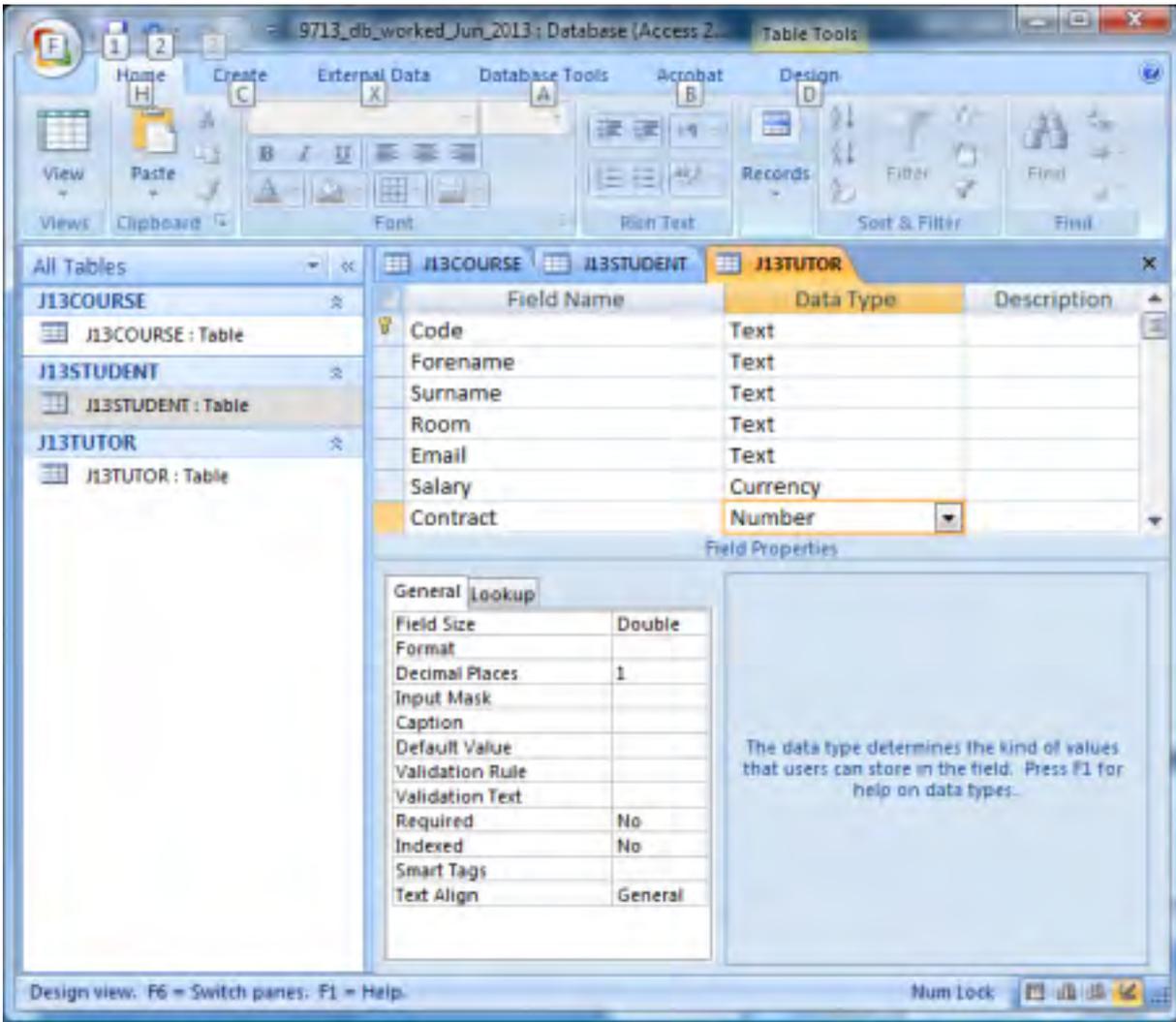
**TUTOR** Table created

Appropriate table name	1 mark
Appropriate field name – First name	1 mark
Appropriate field name – Second name	1 mark
Field types (1 mark per field)	7 marks
Contract field set to 1dp	1 mark
Key on Code field	1 mark

Field Name	Data Type	Description
Code	Text	
Forename	Text	
Surname	Text	
Room	Text	
Email	Text	
Salary	Currency	
Contract	Number	

Field Properties	
General	
Format	Currency
Decimal Places	2
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Indexed	No
Smart Tags	
Text Align	General

The error message that appears when you enter a value prohibited by the validation rule. Press F1 for help on validation text.



Correct fields                      1 mark  
 One-to-many                        1 mark

Correct fields 2 marks  
One-to-many 1 mark

Field Name	Data Type	Desc
Code	Text	Correct field 1 mark
Forename	Text	>0 1 mark
Surname	Text	AND 1 mark
Room	Text	<=1 1 mark
Email	Text	Appropriate text 1 mark
Salary	Currency	Including parameters 1 mark
Contract	Number	

Field Properties	
General	
Field Size	Double
Format	
Decimal Places	1
Input Mask	
Caption	
Default Value	
Validation Rule	>0 And <=1
Validation Text	You may only enter a value greater than 0 or less than or equal to 1 for this field
Required	No
Indexed	No
Smart Tags	
Text Align	General

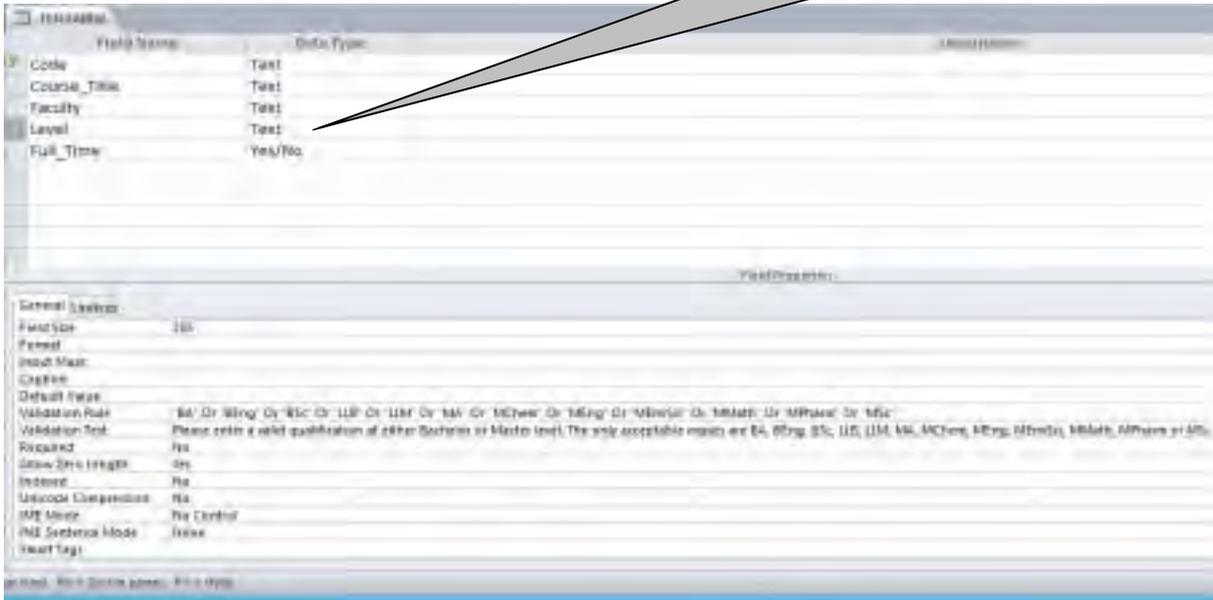
**Acceptable data for Course.Level field**

BA
BEng
BSc
LLB
LLM
MA
MChem
MEng
MEnvSci
MMath
MPharm
MSc

Evidence of all 12 data sets      3 marks  
 Alphabetical sort                      1 mark

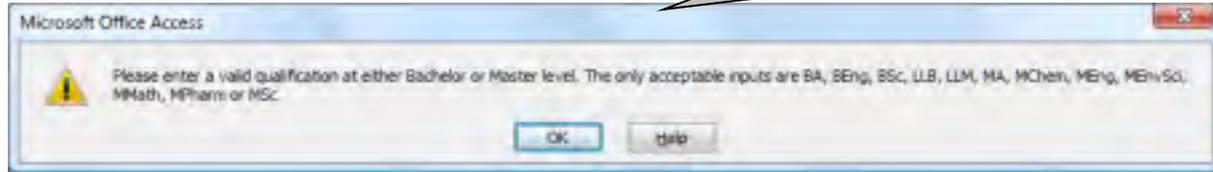
**Rule**

Correct field                                      1 mark  
 All 12 correct entries in rule                1 mark  
 OR                                                    1 mark



**Text**

Appropriate text                                1 mark  
 Including parameters                        1 mark



# Testing the data entered is valid

8 x 4 table with gridlines 1 mark  
 Text 100% accurate 1 mark  
 Correct cells merged 1 mark

Orientation - Landscape 1 mark  
 Heading 100% accurate 1 mark  
 32 point 1 mark  
 Bold 1 mark  
 Centre aligned 1 mark  
 Sans-serif 1 mark

<b>Fieldname</b>	<b>Tutor.Contract</b>		
<b>Test type</b>	<b>Range check</b>		
<b>Data chosen</b>	<b>Type of data</b>	<b>Expected outcome</b>	<b>Actual outcome</b>
0.2	Normal	Accepted	0.2 stored/accepted
0.5			0.5 stored/accepted
0	Abnormal	Error message	
1.1			
1	Extreme	Accepted	1 stored/accepted

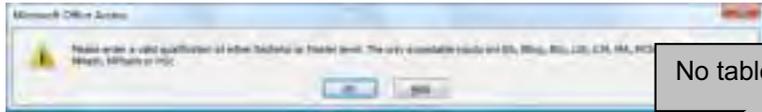
**Normal data** 1 mark  
 2 Correct examples 1 mark  
 Expected to work 1 mark  
 Works 1 mark

**Abnormal data** 1 mark  
 2 Correct examples 1 mark  
 Expected to be rejected 1 mark  
 Rejected 1 mark

**Extreme data** 1 mark  
 Correct example 1 mark  
 Expected to work 1 mark  
 Works 1 mark

Footer  
 Name & numbers left align 1 mark  
 File name & path right align 1 mark

16 x4 table with gridlines	1 mark
Text 100% accurate	1 mark
Correct cells merged	1 mark
Correct cells merged	1 mark

<b>Fieldname</b>	<b>Course.Level</b>		
<b>Test type</b>	<b>Lookup check</b>		
<b>Data chosen</b>	<b>Type of data</b>	<b>Expected outcome</b>	<b>Actual outcome</b>
BA	Normal	Accepted	BA stored/accepted
BEng			BEng stored/accepted
BSc			BSc stored/accepted
LLB			LLB stored/accepted
LLM			LLM stored/accepted
MA			MA stored/accepted
MChem			MChem stored/accepted
MEng			MEng stored/accepted
MEnvSci			MEnvSci stored/accepted
MMath			MMath stored/accepted
MPharm			MPharm stored/accepted
MSc			MSc stored/accepted
Trash	Abnormal	Error message	

All 12 in Normal data	1 mark
One item of Abnormal	1 mark

No table split over page	1 mark
--------------------------	--------

Header:  
 Appropriate title & candidate details 1 mark  
 Tutor & student details differentiated 1 mark  
 Correct fields:  
 Tutor names, Room, Student names  
 Tel, Course title 1 mark

## Room closures - rooms 2 to 10

Report by A Candidate XX999 / 9999

Tutor details		Student details				
Room	Surname	Forename	Second_Name	First_Name	Telephone	Course_Title

10

Yu Xiaodong

	Bennett	Laura			0545231544	International Banking and Financial Services
	Browning	Karla			05554183498	French and History of Art
	Di Vizio	Shruti			05554136238	Medieval Studies
	Gupta	Kratika			0555413489	English Literature
	Hafez	Taran			05554145046	Archaeology & Classical Studies
	Lopez	Duarte			05554139874	Artificial Intelligence and Cybernetics
	Lopez	Pedro			05554127700	Archaeology & Classical Studies
	Oldham	Felicity			05554189723	Classical Tradition
	Platt	Karthilene			0555412898	Medieval Archaeology
	Schneider	Olga			0555413489	History of Art
	Schuhmacher	Peter			05554198787	English Language
	Taylor	Anna			05554127612	International Business
	Tello	Christal			05554185772	Art
	Tobin	David			05554132204	English Literature and Italian
	Turner	Steven			05554143749	Real Estate Finance
	Wang	Lu			05554193509	Management with Information Technology
	Wexler	Traugott			0555418529	Agriculture

Search:  
 Rooms 2,4,10 2 marks  
 Grouping:  
 Room 1 mark  
 Then Tutor 1 mark  
 Sorting:  
 Ascending Surname within group 1 mark  
 Printed single page wide 1 mark

2

Brown Laura

	Bayer	Evert			0555412955	Graphic Communication
	Bravo	Pablo			0545231544	Ancient History and History
	Gad	Siddharth			0555413489	Archaeology & Classical Studies
	Garrido	Pedro			0545231544	Philosophy
	Kacaratchi	Summer			0555413489	Food marketing & Business Economics
	Lu	Tanjung			05554176876	International Financial Regulation

<b>Page 12</b>	<b>Mark Scheme</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>GCE AS/A LEVEL – May/June 2013</b>	<b>9713</b>	<b>02</b>

Room	Surname	Forename	Second_Name	First_Name	Telephone	Course_Title
			McGrew	Emie	05551148011	Philosophy and International Relations
			Valles	Miguel	05551243571	Philosophy and Politics
			Weiss	Nina	05551242315	Philosophy and German
	<b>Tyrell</b>	<b>Paul</b>	Dev	Teng	05551299987	Business and Management
			Kaznicka	Steve	0545231544	German Studies
<b>4</b>						
	<b>Gerard</b>	<b>David</b>	Jolley	Sharon	0555122961	Development Finance
			Kaspirov	Ira	0555127696	Military History and Strategic Studies
			Lopez	Jorge	05551297291	Digital Signal Processing and Communications
	<b>Norfolk</b>	<b>Charlotte</b>				
			Bansal	Mohamed	05551107475	Quantity Surveying
			Block	Carlo	0555132159	French Studies and Politics
			Blond	Susan	05551268972	Robotics
			Brown	Luigi	0555114477	History
			Damji	Peter	05551100788	French Studies and English Language
			Evans	Mike	0555160089	Modern History
			Franisco Javier	Adone	05551215137	French and History of Art
			Georgioudou	Nikos	05551238285	Quantity Surveying
			Ghandi	Tomas	0555118289	Financial Research
			Joshi	Rish	0545231544	Business Economics
			Lugo	Jorge	0555153781	Philosophy and English Literature
			Nichols	Amy	0555123489	Agriculture
			Nicolaides	Nikos	0555127210	Modern and Contemporary Writing
			Reeves	Nicola	05551275135	Statistics / Applied Statistics
			Schulze	Carmen	0555168431	English Language
			Schulze	Peter	05551215594	English Language
			Strauss	Dietmar	0555125489	French and Management Studies
			Viren	Leise	0555127524	Archaeology & Classical Studies

11 September 2013 Page 1 of 3

Name, centre and candidate number

<b>Page 13</b>	<b>Mark Scheme</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>GCE AS/A LEVEL – May/June 2013</b>	<b>9713</b>	<b>02</b>

Room	Surname	Forename	Second_Name	First_Name	Telephone	Course_Title
	Wainwright	John			05551231571	Applied Informatics - Biodiversity Informatics
	Weismüller	Thora			05551224490	History
	Williams	Dewy			0555127960	French Studies and Politics

11 September 2011

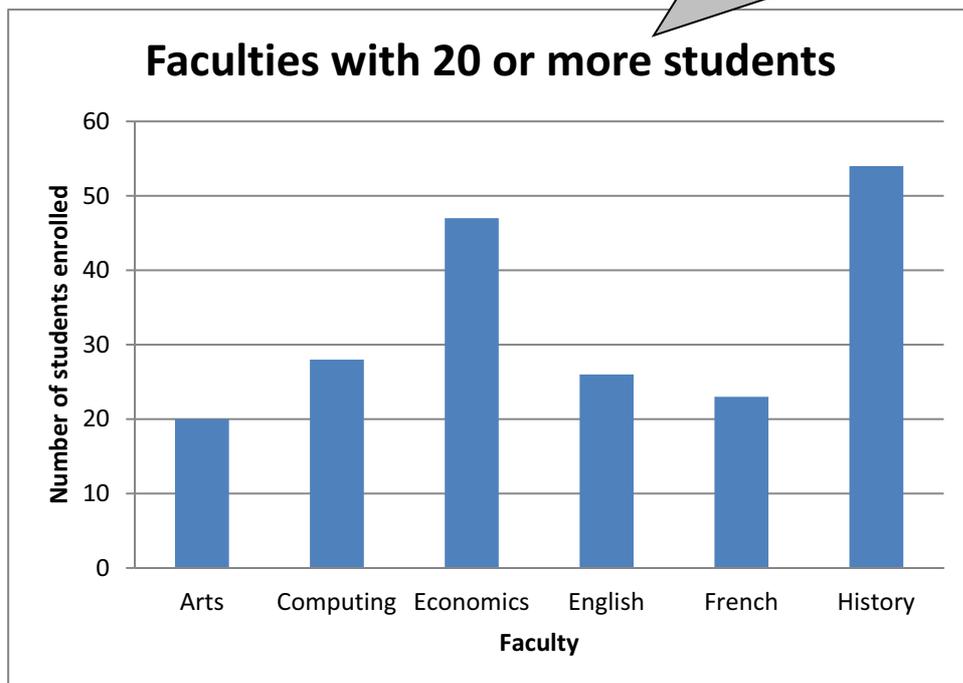
Page 5 of 5

**Number of students enrolled in each Faculty:**

Agriculture	4
Arts	20
Computing	28
Construction	9
Economics	47
English	26
French	23
Geography	3
German	8
History	54
Italian	10
Law	15
Mathematics	7
Philosophy	11

Correct calculated totals: 7 marks  
Award 1 mark for each correct pair  
No Politics, Psychology or Science Faculty visible  
1 mark

Extracted  $\geq 20$  2 marks  
Appropriate chart type 2 marks  
Appropriate title 1 mark  
Appropriate titles & labels 2 marks



Page 15	Mark Scheme	Syllabus	Paper
	GCE AS/A LEVEL – May/June 2013	9713	02

Step 23

## Content (K & U) – Maximum 10 marks

**Accept different solutions like:**

Set document as a 'shared document'...

...with read-write permissions for all

...set full permissions for me

Other users track changes

They submit their documents with (suggested) tracked changes

...initials/staff codes

As administrator I will review their changes...

...and accept changes...

...reject each change

Set document permissions to read only for other users

They save in own user area with read/write permissions

Their version of document merged with master copy

I will review again each change after the merge

Saving documents/files with version numbers/identifier (eg initials) of editor

...use of sequential version numbering systems

**Other suitable ideas:**

'Comments' used to review original

Comments inserted

Comments removed by me

Compare & Merge