

	UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINAT General Certificate of Education Advanced Subsidiary Level and Advanced Level	inns thenep abers con		
CANDIDATE NAME				
CENTRE NUMBER	CANDIDATE			
APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY 97				
Paper 2 Pract	ical Test	May/June 2013 2 hours 30 minutes		
Additional Mat	erials: Candidate Source Files			

READ THESE INSTRUCTIONS FIRST

Make sure that your Centre number, candidate number and name are written at the top of this page and are clearly visible on every printout, before it is sent to the printer.

DO NOT WRITE IN ANY BARCODES.

Carry out every instruction in each task.

At the end of the exam put this Question Paper and all your printouts into the Assessment Record Folder.

The number of marks is given in brackets [] at the end of each question or part question.

Any businesses described in this paper are entirely fictitious.

This document consists of 5 printed pages and 3 blank pages.



You work for the University of Tawara. You are going to develop a database to record and extract information regarding the students, their courses and their personal tutors.

1 You must provide evidence of your work, including screenshots at various stages. Create a document named:

CentreNumber_CandidateNumber_Evidence.rtf

e.g. ZZ999_99_Evidence.rtf

Place your name, Centre number and candidate number in the header of your evidence document.

2 Look at the data in the files J13STUDENT.TXT, J13COURSE.TXT and J13TUTOR.TXT

Design your database structure with appropriate field names, key fields and data types. Some of this information is shown below.

J13STUDENT		J13COURSE		
Field name	Туре	Field name	Туре	
Student_ID		Code		
First_Name		Course_Title		
		Faculty		
	Alphanumeric	Level		
	Alphanumeric	Full_Time	Boolean	
	Alphanumeric			
Zip_Code				
Telephone		J13TUTOR		
Birth_Date		Field name	Туре	
Course_Code		Code		
Tutor_Code				
		Room		
		Email		
		Salary	Numeric: Currency, \$ with 2 decimal places	
		Contract	Numeric: Decimal with 1 decimal place	

- **3** Using a suitable software package, import the files to create your database.
- 4 Include in your evidence document screenshots that show the structure of the tables including the field types and key fields.

[37]

5 Establish the following relationship:

[2]
ata. [3]
ween these
alue must
d entries. If ge of
and any [6]
our e entries.
tries. If the cceptable
and any [9]
[1]
[2]
nt, centre [5]
r

15 Below the heading create a test table that will be used for 5 pieces of test data, and looks like this:

Fieldname				
Test type	Range check			
Data chosen	Type of data	Expected outcome	Actual outcome	

[3]

16 Add a second test table that looks like this:

Fieldname					
Test type	Lookup check				
Data chosen	Type of data Expected outcome		Actual outcome		

[4]

17 Complete the test tables for the Tutor.Contract and Course.Level fields.

If the actual outcome of the test is an error message, take a screenshot of this message and place it in the correct cell of the table.

[14]

18 Save and print this document.

19 Rooms 2 to 10 are going to be closed and all students using them need to be contacted.

Extract and print a report grouped by room number, then tutor names. Apart from these two fields, include only the students' names, course titles and telephone numbers, sorted into ascending order on the second name, then first name.

Ensure that it is clear which names belong to the tutors and which belong to the students. Add a suitable title to the report. Ensure that your name, Centre number and candidate number are added to the header of the report before you print it.

[9]

[8]

[7]

[10]

Ensure the report fits on a single page wide. Print the report.

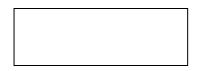
- **20** Calculate the number of students enrolled in each Faculty area. Only include Faculties where students have enrolled. Sort this data alphabetically by Faculty. Display this data as a table in your evidence document.
- **21** Create a chart that shows the number of students enrolled in each Faculty area. Do not include a Faculty if less than 20 students have been enrolled. Fully label your chart and add your chart to your evidence document.
- **22** One document is held on a shared network drive within the University. You will manage this document, but other users will also work on it.

In your evidence document, explain how you can control this document so that it can be edited by the multiple users.

23 Save and print your evidence document.

Write today's date in the box below.

Date



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6

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7

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