

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GCSE
B061/02
INFORMATION AND COMMUNICATION
TECHNOLOGY
ICT in Today's World

THURSDAY 6 JUNE 2013: Morning
DURATION: 1 hour
plus your additional time allowance

MODIFIED ENLARGED

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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Candidates answer on the Question Paper.

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- **Write your name, centre number and candidate number in the boxes on the first page. Please write clearly and in capital letters.**
- **Use black ink. HB pencil may be used for graphs and diagrams only.**
- **Answer ALL the questions.**
- **Read each question carefully. Make sure you know what you have to do before starting your answer.**
- **Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).**

INFORMATION FOR CANDIDATES

- **The number of marks is given in brackets [] at the end of each question or part question.**
- **The total number of marks for this paper is 60.**
- **Your quality of written communication is assessed in questions marked with an asterisk (*).**
- **Any blank pages are indicated.**

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- 1 Terry owns a small cheese shop. Fig. 1 (opposite) shows part of a table in a relational database of cheeses sold in Terry's shop.**

(a) How many records are shown in Fig. 1?

_____ **[1]**

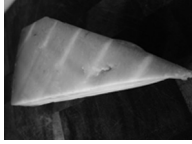


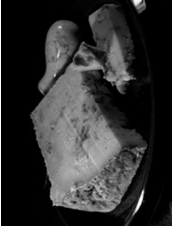
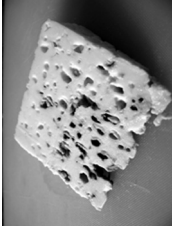

STOCK NO.	CHEESE NAME	SUPPLIER CODE	SELLING PRICE £/KG	PHOTOGRAPH
CHEESE11	Lincolnshire	Su001	10.95	
CHEESE12	Cheddar	Su001	23.00	
CHEESE13	Red Leicester	Su002	19.90	
CHEESE04	Dorset Blue	Su004	18.00	
CHEESE17	Roquefort	Su008	34.00	
CHEESE23	Ribblesdale	Su009	29.00	

FIG. 1

The link between two tables in the relational database is shown in Fig. 2.

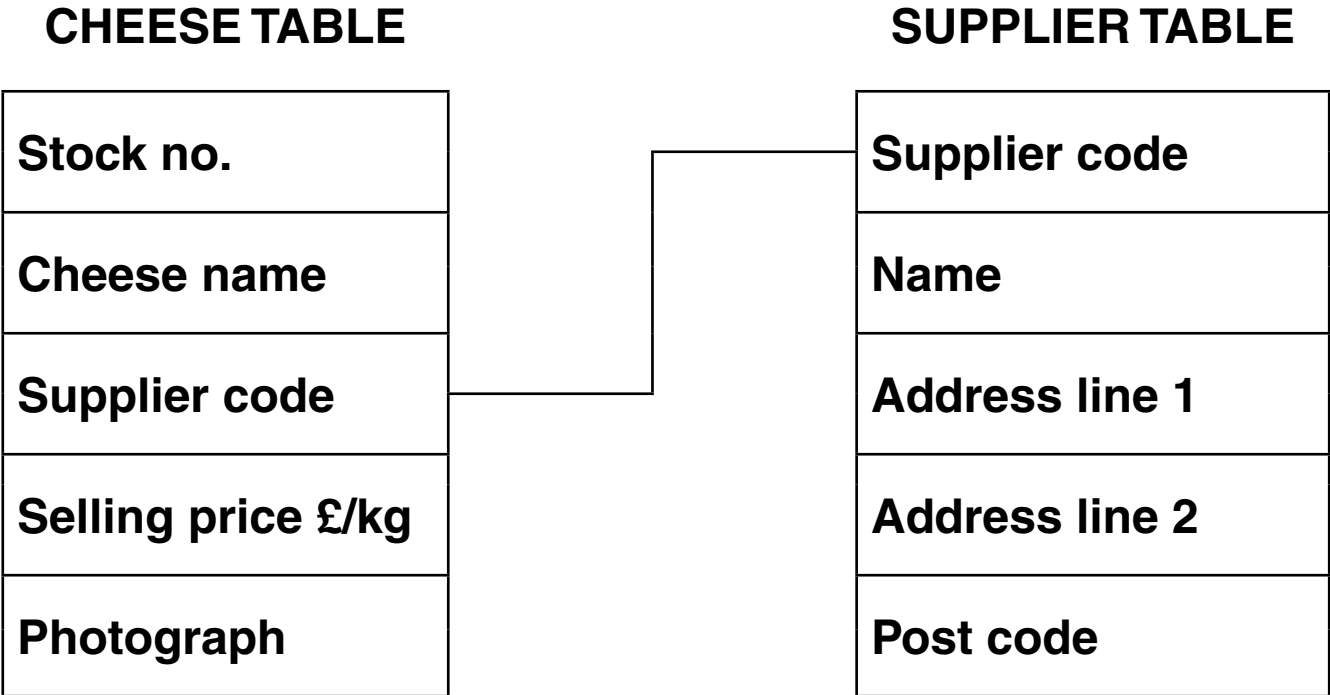


FIG. 2

(b) Refer to Fig. 2 (opposite).

Complete the sentences below by using the terms in this list.

A FOREIGN KEY

A ONE-TO-ONE RELATIONSHIP

A MANY-TO-ONE RELATIONSHIP

THE PRIMARY KEY

**(i) The Supplier code field in the CHEESE TABLE
is _____**

**(ii) The Supplier code field in the SUPPLIER
TABLE is _____**

**(iii) The link between the CHEESE TABLE and the
SUPPLIER TABLE is _____**

[3]

(c) Terry wants to advertise his cheese shop online and needs a new website to do this.

(i) Describe THREE features of web-authoring software that Terry could use to create the website.

1 _____

2 _____

3 _____

[6]

- (ii) Terry's database contains photographs of the cheeses.

Describe TWO ways that these photographs could be transferred from the database to the pages on the website.

1 _____

2 _____

[4]

- 2 Complete the table below by stating ONE use of EACH of the devices listed when using a computer. [5]**

DEVICE	USE
Mouse	
Keyboard	
Monitor	
Printer	
Hard disk drive	

3 A company sells goods online.

(a) Describe THREE features of a website that enable customers to purchase goods online.

1 _____

2 _____

3 _____

[6]

(b) Explain TWO methods that could be used to help prevent unauthorised access to customer data stored on the company's computer system.

1 _____

2 _____

[4]

4 What is a relative cell reference in a spreadsheet?

[2]

5 Explain, giving an example, what is meant by virtual reality.

[3]

6* Explain the issues that need to be considered when disposing of unwanted computers.

Marks will be awarded for the quality of written communication in your answer.

[illegible]

7 Give ONE example of each of the following:

Hardware

Software

[2]

8 A doctor uses an expert system to help diagnose a patient's illness.

Describe the stages involved in this process.

[6]

[6]

9 Put ONE tick in each row to choose the most appropriate programming software for each task.

TASK	DEBUGGER	COMPILER
Finding errors in program code		
Turning instructions written by a programmer into program code		

[2]

10* Discuss the impacts of the use of robotics in manufacturing.

Marks will be awarded for the quality of written communication in your answer. [8]

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