

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**  
**General Certificate of Secondary Education**

**INFORMATION AND  
 COMMUNICATION TECHNOLOGY**



**2380/01**

ICT B (Foundation Tier)

Wednesday

**7 JUNE 2006**

Morning

1 hour

Additional materials:  
 Candidates answer on the question paper  
 Flowchart stencil  
 Candidates pre-prepared materials

Candidate  
 Name

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Centre  
 Number

--	--	--	--	--

Candidate  
 Number

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**TIME** 1 hour

**INSTRUCTIONS TO CANDIDATES**

- Write your name, Centre number and candidate number in the spaces at the top of this page.
- Answer **all** questions.
- Write your answers in the spaces provided on the question paper.
- Do not write in the bar code. Do not write in the grey area between the pages.
- **DO NOT WRITE IN THE AREA OUTSIDE THE BOX BORDERING EACH PAGE. ANY WRITING IN THIS AREA WILL NOT BE MARKED.**

FOR EXAMINER'S USE	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
<b>TOTAL</b>	

**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 **55**.
- No marks will be awarded for using brand names of software packages or hardware.

**This question paper consists of 8 printed pages.**

1 For each device shown below, tick the box to show whether the device is

- an input device
- an output device
- a storage device.

Device	Input	Output	Storage
Mouse			
DVD			
Printer			
Hard disk			
Hand-held scanner			
Flat screen monitor			
Plotter			
Digital camera			
Concept keyboard			

[9]

2 A touch screen is used by practice nurses in their clinics.

Give **three** reasons why a touch screen is more suitable than a traditional keyboard for use by the practice nurses.

Reason 1 .....  
 ..... [1]

Reason 2 .....  
 ..... [1]

Reason 3 .....  
 ..... [1]

3 Part of Wordsworth Health Centre’s database file is shown below.

Reference	Surname	First name	Gender	Address	Postcode
001	Patel	Sanjay	M	12, Willis Way	MM12 6BS
002	Smith	Eleanor	F	37, Holme Close	MM12 7HR
003	Buzan	Pierre	M	95, Whinbush Walk	MM11 3QV
004	Brady	Maureen	F	61, Fairbank Gardens	MM9 4PC

(a) How many records are shown on the database?

..... [1]

(b) For each record, how many fields are shown?

..... [1]

(c) The column labelled **Gender** uses codes.

Give **three** reasons why the health centre would wish to use codes in this column.

Reason 1..... [1]

Reason 2..... [1]

Reason 3..... [1]

(d) State the name of **one** field that contains only numeric data.

..... [1]

(e) Give a suitable field length for the postcode field.

..... [1]

4

4 The health centre wishes to produce a health and safety poster for people using computers.

The poster has been started for you below.

Add your own labels or statements to indicate **eight** health and safety issues.



5 (a) Explain what is meant by the term computer virus.

.....  
.....  
.....  
..... [2]

(b) Write down **two** ways you could prevent a computer virus affecting your computer.

Way 1 ..... [1]  
.....

Way 2 ..... [1]  
.....

6 (a) Write down the name given to someone obtaining access to a computer system without authority.

..... [1]

(b) State **two** ways that data on a computer system might be lost or destroyed.

Way 1 ..... [1]  
.....

Way 2 ..... [1]  
.....

(c) Describe **two** methods that could be used by the health centre to ensure that data is not lost or destroyed.

Method 1 ..... [2]  
.....

Method 2 ..... [2]  
.....

7 Give **two** advantages and **one** disadvantage of using an on-line medical encyclopaedia as opposed to a paper-based encyclopaedia.

Advantage 1 .....  
..... [1]

Advantage 2 .....  
..... [1]

Disadvantage .....  
..... [1]

8 Wordsworth Health Centre is linked to other health centres across the country to enable the exchange of patient data.

(a) State **one** advantage to the **patient**  
.....  
..... [1]

(b) State **one** advantage to the **doctor**  
.....  
..... [1]

(c) The health centre system uses two types of network.  
Describe **one** difference between a Local Area Network (LAN) and a Wide Area Network (WAN).  
.....  
.....  
.....  
..... [2]

9 Wordsworth Health Centre has decided to use e-mail to communicate with patients rather than using letters and telephone calls.

(a) State **three** advantages and **one** disadvantage of using e-mail to communicate with patients.

Advantage 1 .....

..... [1]

Advantage 2 .....

..... [1]

Advantage 3 .....

..... [1]

Disadvantage .....

..... [1]

(b) State **three** items needed to use e-mail at home.

1 .....

..... [1]

2 .....

..... [1]

3 .....

..... [1]

10 State three ways that ICT can be used to assist in paying staff wages.

Way 1 ..... [1]

..... [1]

Way 2 ..... [1]

..... [1]

Way 3 ..... [1]

..... [1]