

**GCSE  
INFORMATION AND  
COMMUNICATION TECHNOLOGY**

ICT B (Foundation Tier)

**THURSDAY 18 JANUARY 2007**

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

**F 2380/01**

Morning

Time: 1 hour



Candidate  
Name

Centre  
Number

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Candidate  
Number

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**INSTRUCTIONS TO CANDIDATES**

- Write your name, Centre number and Candidate number in the boxes above.
- Answer **all** the questions.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- Do **not** write in the bar code.
- Do **not** write outside the box bordering each page.
- **WRITE YOUR ANSWER TO EACH QUESTION IN THE SPACE PROVIDED. ANSWERS WRITTEN ELSEWHERE WILL NOT BE MARKED.**

**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.

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

This document consists of **10** printed pages, **2** blank pages and an Insert.

1 For each task shown draw a line to the most suitable type of software. One has been done for you.

Task	Software type
To work out the accounts	Email software
To develop a website	Diary software
To write a letter	Spreadsheet
To store staff records	Database
To record appointments	Word processor
To produce a folded leaflet	Web Design software
To send an email	Desk Top Publishing

[6]

2 Wordsworth Dental Practice communicates with patients by the use of email and text messaging.

(a) What device is needed to receive a text message?

..... [1]

(b) State **one** benefit to **patients** of receiving reminders of appointments by text.

..... [1]

(c) State **two** benefits to **Wordsworth Dental Practice** of using email to communicate with patients.

Benefit 1 .....

Benefit 2 ..... [2]

(d) State **two** methods that could be used to communicate with patients who have **no** email or mobile phone.

Method 1 .....

..... [1]

Method 2 .....

..... [1]

3 The computers in the dental practice are connected in a network.

The dental practice staff restrict access to certain parts of the network.

(a) Explain why they might want to do this.

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

(b) Give **two** ways that access can be restricted

Way 1.....  
.....

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

- 4 Wordsworth Dental Practice actively encourages young people to look after their teeth. Two versions of a poster are shown below. Poster 1 was changed using ICT to make poster 2.



Poster 1



Poster 2

- (a) State the most suitable type of software package for the task.

..... [1]

Changes have been made to the poster using common software tools.

- (b) State **four** changes that have been made and describe how you would make each change.

Change 1 .....

How .....

..... [2]

Change 2 .....

How .....

..... [2]

Change 3 .....

How .....

..... [2]

Change 4 .....

How .....

..... [2]

5 Wordsworth Dental Practice has developed a computer game to help children learn about looking after their teeth. A free copy of the game is available from the website.

(a) State **two** pieces of hardware patients need to access the website.

1 .....

2 ..... [2]

(b) Patients transfer copies of the game from the website to their computers.

What is this process called?

..... [1]

(c) Give **one** reason why it is **not** advisable to obtain copies of programs over the Internet.

..... [1]

(d) Give **one** precaution that should be taken before installing programs obtained from the Internet.

..... [1]

6 The Wordsworth Dental Practice database contains thousands of records.

A section of the database is shown below:

Surname	First Name	Mobile Number	E-mail	Address	Postcode	Date of Birth	Reference
Smith	John		Jsmith@wordsworth.com	Not known		07/01/46	004a
Williams	Gill	07632 698522	WiliamsG@wordsworth.com	22 East View, Littletown	DD7 8QA	08/02/46	006a
Wu	Jack	07459 668123	WuJ@wordsworth.com	12 The Lane, Wordsworth	DE6 6DD	15/03/52	001a
Koski	Brad	07652 555486	KoskiB@wordsworth.com	15 High Street, Wordsworth	DE4 4FD	02/07/56	005a
Wu	Jack	07884 335478	No email	The Mill, Trumpton	FD5 6NB	16/08/65	002a
Smith	Sally	07996 451735	Ssmith@wordsworth.com	13 Hill View, Hampton	HH5 8UH	16/09/68	003a

(a) State the field that would be used as the key field.

..... [1]

(b) Explain why a key field is important.

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

(c) State the field that has been used to sort the data.

..... [1]

(d) How many fields are shown in this section of the database?

..... [1]

(e) How many records are shown in this section of the database?

..... [1]

(f) State **three** ways a database could be used in a dental practice.

Way 1 .....

.....

Way 2 .....

.....

Way 3 .....

..... [3]

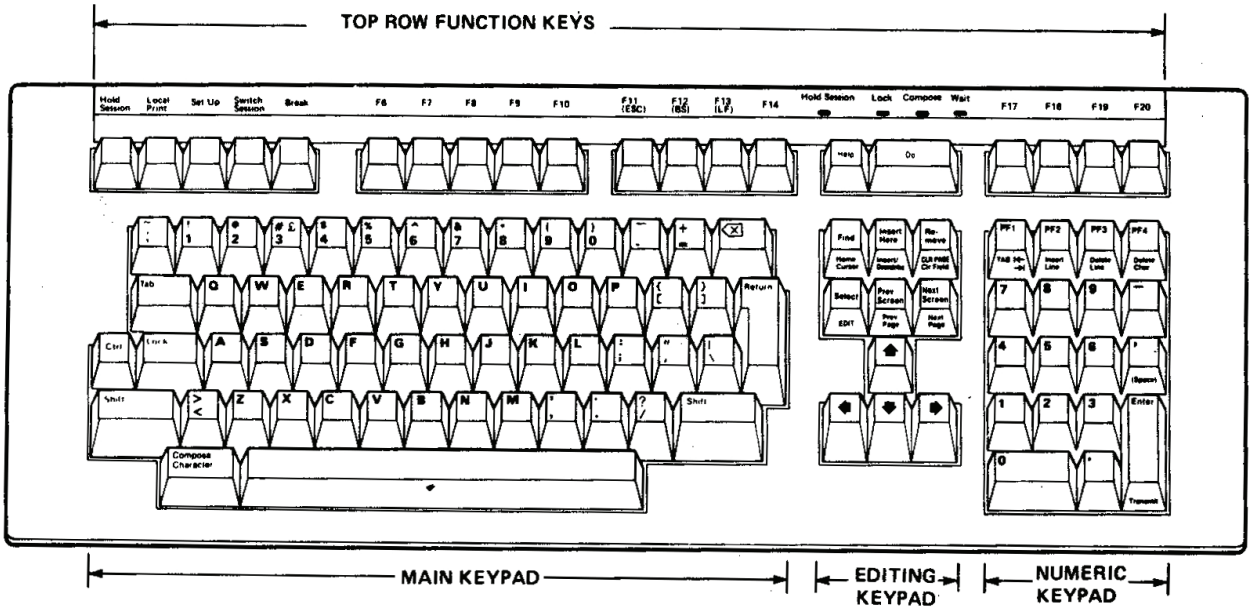
- 7 Design a database entry form for use in the Wordsworth Dental Practice that can be printed out for patients to complete by hand. Your form should contain all the essential data likely to be required by the dental practice.

Marks will be awarded for:

- Layout and design
- Essential information
- Clarity
- Ease of completion



8 One of the Wordsworth Dental Practice's computer keyboards is shown below. It has a number of different types of key.



State the purpose of the keys in each of the following sections of the keyboard. Explain how the Dental Practice could use each section of the keyboard.

(a) Main keypad  
 Purpose .....

Use .....

..... [2]

(b) Numeric Keypad  
 Purpose .....

Use .....

..... [2]

(c) Editing Keypad  
 Purpose .....

Use .....

..... [2]

(d) Function Keys  
 Purpose .....

Use .....

..... [2]

**10**  
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11  
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