

**GCSE**  
**INFORMATION AND**  
**COMMUNICATION TECHNOLOGY**

ICT B (Foundation Tier)

**WEDNESDAY 6 JUNE 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

--	--	--	--	--

Candidate  
Number

--	--	--	--

**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	
9	
<b>TOTAL</b>	

This document consists of **8** printed 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 calculate staff hours	Email software
To change the details on a website	Diary software
To design the graphics on a leaflet	Spreadsheet
To store patient addresses	Database
To check dentist availability	Graphics software
To explore the World Wide Web	Web design software
To send an email	Web browser

[6]

2 Each computer system at Wordsworth Dental Practice will include input devices, output devices and storage devices.

Give **two** examples of each type of device.

**Input devices**

Device 1 .....

Device 2 ..... [2]

**Output devices**

Device 1 .....

Device 2 ..... [2]

**Storage devices**

Device 1 .....

Device 2 ..... [2]

3 Wordsworth Dental Practice has purchased a database software package from a shop. The software is in a box.

(a) List **two** items other than the software that will be contained in the box

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

(b) State **two** different types of media that the box could contain

Type 1 .....

Type 2 ..... [2]

(c) The software is contained in a sealed envelope. Explain the reason for the seal.

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

4 A section of the Wordsworth Dental Practice database is shown below.

Patient Surname	Patient First Name	Mobile Telephone Number	Email	Address	Postcode	Date of Birth	Patient Number
Ahmed	Julie	07459 668123	ahmedJ@wordsworth.com	12 The Lane, Wordsworth	DE6 6DD	15/15/52	0015
Avenue	Jack	07884 335478	No email	The Mill, Hilltown	FD5 6NB	16/08/65	0012
Brackley	John	07760 567890	Jbrackley@wordsworth.com	Not known		07/01/75	0001
Brent	Sally	07996 451735	Sbrent@wordsworth.com	13 Hill View, Hampton	HH5 8UH	16/08/68	0007
Cushing	Brad	07652 555486	cushingB@wordsworth.com	15 High Street, Wordsworth	DE4 4FD	02/08/46	0009
Wong	Su	07632 698522	wongs@wordsworth.com	22 East View, Littleton	DD7 8QA	08/02/55	0005

(a) Circle the key field in the table above. [1]

(b) Which field has the data been sorted on?  
 ..... [1]

(c) One of the date of birth entries is incorrect.  
 (i) State the **patient number** for the incorrect entry.  
 ..... [1]

(ii) Describe how the database could have been set up to prevent this error.  
 .....  
 ..... [2]

(d) Describe the term **field length** using an example from the database.  
 .....  
 ..... [2]

(e) Describe the following terms.  
 (i) Field .....  
 ..... [1]

(ii) Record .....  
 ..... [1]

- 5 John Smith is one of the dentists working at the Wordsworth Dental Practice. John wants to change his password.

He has thought of four possible new passwords which are:

jsmith  
john  
12  
qsZx7596

- (a) State which of these passwords would be the most secure and give reasons for your choice.

Password: ..... [1]

Reasons .....

.....

.....

..... [3]

- (b) Describe a **disadvantage** of your chosen password.

.....

.....

..... [2]

6 One of the pages of the Wordsworth Dental Practice website is taking a long time to appear on the screen.

(a) State **three** reasons why this could be happening.

Reason 1 .....

.....

Reason 2 .....

.....

Reason 3 .....

..... [3]

(b) One of the patients has sent an email to the Wordsworth Dental Practice and it has not arrived. They used the following email address:



State **two** reasons why the email could have failed.

Reason 1 .....

.....

Reason 2 .....

..... [2]

Wordsworth Dental Practice uses virus protection software to help prevent the loss of data.

(c) Explain what is meant by the term virus.

.....

.....

..... [2]

(d) Give **three** ways a virus might get onto the dentist's computer.

Way 1 .....

.....

Way 2 .....

.....

Way 3 .....

..... [3]

7 Wordsworth Dental Practice is installing data encryption software.

Describe what is meant by data encryption and state why it is needed by Wordsworth Dental Practice.

.....

.....

.....

.....

..... [4]

8 Wordsworth Dental Practice uses spreadsheet software to calculate the cost of treatment. Describe the advantages of using spreadsheet software rather than a calculator for calculating these costs.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

9 Design a home page for the Wordsworth Dental Practice website.

A large, empty rectangular box with a thin black border, intended for the student to design a home page for the Wordsworth Dental Practice website.

[4]

---

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (OCR) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

OCR is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.