

FOR OFFICIAL USE

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F

KU

PS

Total Marks

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0560/401

NATIONAL
QUALIFICATIONS
2007

WEDNESDAY, 2 MAY
9.00 AM – 10.00 AM

COMPUTING STUDIES
STANDARD GRADE
Foundation Level

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Date of birth

Day Month Year

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Scottish candidate number

--	--	--	--	--	--	--	--	--	--

Number of seat

Read each question carefully.

Attempt **all** questions.

Write your answers in the space provided on the question paper.

Write as neatly as possible.

Answer in sentences wherever possible.

Before leaving the examination room you must give this book to the invigilator. If you do not, you may lose all the marks for this paper.



2. (a) Part of a spreadsheet is shown.

From the list of words below, label the spreadsheet.

column *formula* *value* *cell* *row*

Use each word only **once**.

5
4
3
2
1
0

(b) A local newsagent keeps track of the paper boys' wages on his spreadsheet.

	A	B	C	D	E	F	G	H
1	Newsag							Weekly
2	Name	Sun	Mon	Tue	Thu	Fri	Sat	Wages
3								
4	Callum	£3.00					£3.00	£6.00
5	Neil		£2.50	£2.50	£2.50	£2.50		£10.00
6	Aidan	£3.00	£2.50			£2.50		£8.00
7	Reece			£2.50	£2.50		£3.00	£8.00
8								
9							Total Wages	£32.00

(i) The word “**Newsagent**” was entered into cell A1 but does not fit.
What must be done to fix this?

1
0

KU	PS
1	0
1	0
1	0
1	0
3	2
1	0

3. Mrs Borland is a dentist. She keeps her patients' records on a computer.

(a) Which application would be best suited for this task?

Tick (✓) **one** box only.

Word Processing Database Graphics

(b) Samples of the dental records are shown below.

First Name	Stuart	Andrew	Gillian	John
Surname	Forrest	Taylor	Bell	Simpson
Date of Birth	17/10/90	14/01/90	09/03/91	14/07/91
Street	1 Nova Street	31 Corsa Ave	47 Burn Street	1 Canada Ave
Town	Boat	Garten	Lomond	Maple
Appointment	15/05/07	15/05/07	26/06/07	30/10/07

(i) State the number of fields shown above. _____

(ii) State the number of records shown above. _____

(c) A new patient called Elaine Johnstone joins the dental practice.

What must the dentist do with the information Elaine Johnstone has given her?

(d) Use **search** or **sort** to complete the following sentences.

(i) The dentist wants to know who has an appointment on 15/05/07.

The dentist should _____ on the field Appointment.

(ii) The dentist wants a list of all patients in alphabetical order.

The dentist should _____ on the field Surname.

(iii) The dentist wants a list of patients over 18 years old.

The dentist should _____ on the field Date of Birth.

KU	PS
1	
0	
1	
0	
1	
0	
1	
0	
1	
0	

4. (continued)

(d) (i) How many *bytes* are there in a *kilobyte* (Kb)?

(ii) Which of the following is the largest?

Tick (✓) **one** box only.

1 Mb 1 Tb 1 bit

(iii) What does *bit* stand for?

(e) While using the computer, users should keep their files tidy by storing them

in ROM.

on paper.

in folders.

Tick (✓) **one** box only.

[Turn over

KU	PS
	4
	3
	2
	1
	0
	3
	2
	1
	0

5. (continued)

The supermarket has just introduced a new computerised system.

(c) Use the following words to complete the sentences.

speed initial retrained accurate

The staff need to be _____ to use the new computer system.

The _____ cost of the computer system is high.

Information is more _____ on a computer system than a manual system.

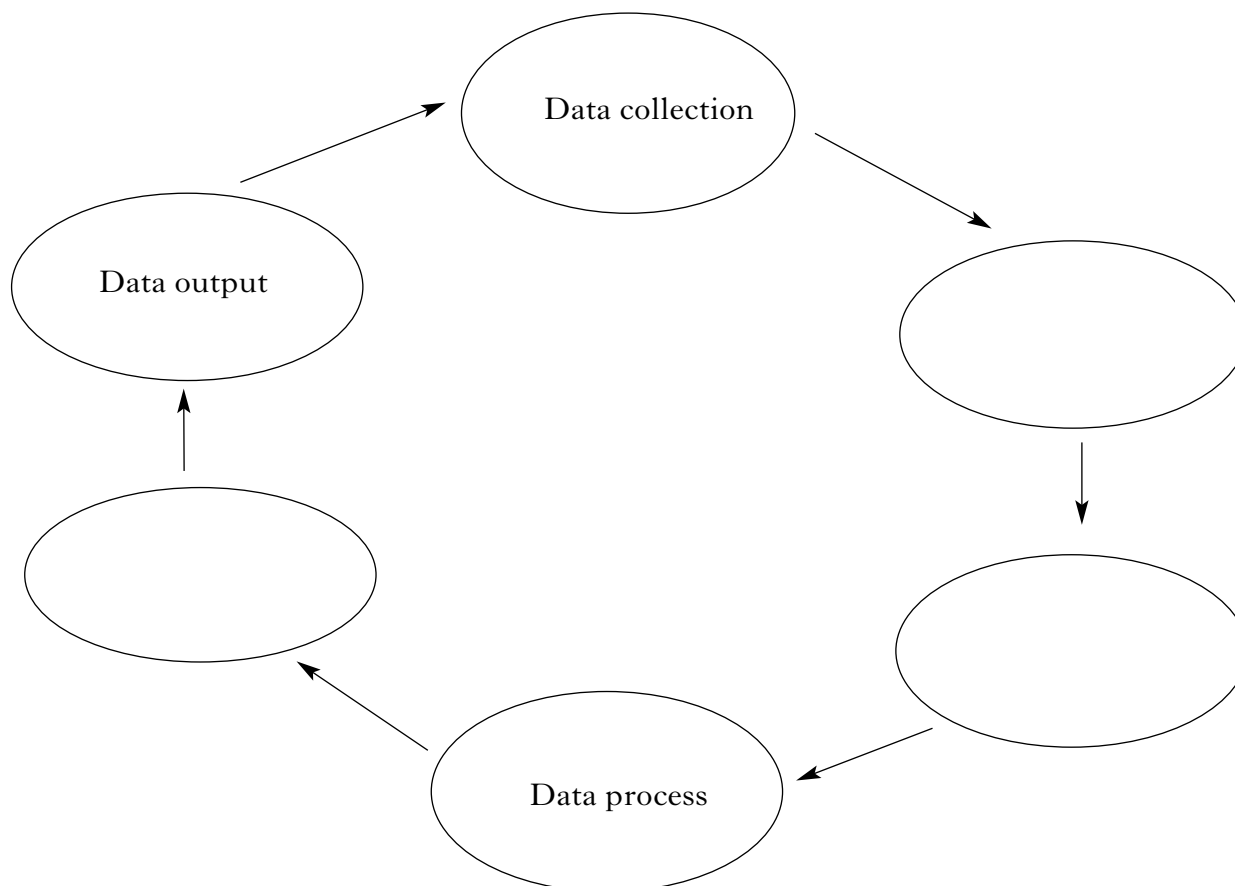
The _____ of processing on the new computer system is faster than the old system.

(d) The data processing cycle in the supermarket is very important.

Use the following terms to complete the data processing cycle.

data storage data input data preparation

Three have been completed for you.



[Turn over

KU	PS
	1 0
	1 0
	1 0
	3 2 1 0

6. The army now use robots to help defuse bombs.

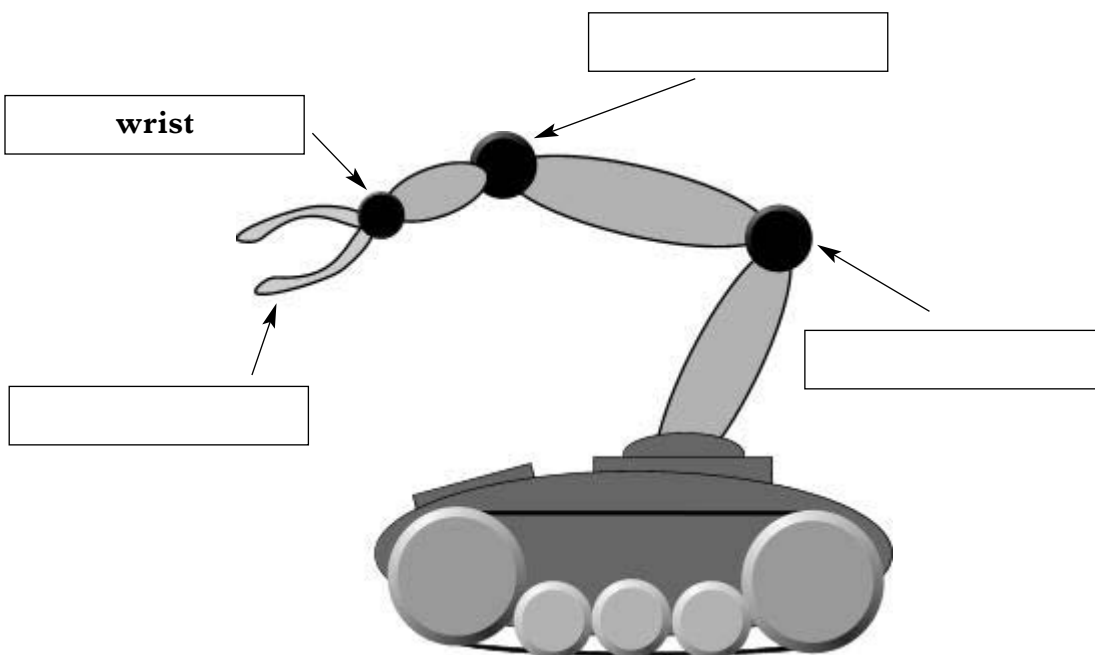
(a) State **one** reason why the army use robots instead of humans.

(b) (i) State how robots are given their instructions.

(ii) Explain how robots can be made to carry out a different task.

(c) The army robot looks like this.

(i) Label the parts of the robot.



KU	PS
1	0
2	1
0	0
1	0
2	1
0	0

7. (a) Caitlin's computer is connected to the *World Wide Web (WWW)*.

(i) Which type of *network* is this?

Tick (✓) **one** box only.

Local Area Network (LAN) Wide Area Network (WAN)

(ii) What does Caitlin's computer need to view a Web page on the WWW?

Tick (✓) **two** boxes only.

modem browser

printer scanner

(b) The computer system has an *integrated package*.

(i) What is an integrated package?

(ii) Integrated packages have a common *HCI*.

What does HCI stand for?

Fill in the missing words.

H _____ Computer I _____

[END OF QUESTION PAPER]

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