

FOR OFFICIAL USE

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KU PS TOTAL

NATIONAL QUALIFICATIONS 2012

# COMPUTING STUDIES STANDARD GRADE

Foundation Level



\* 0 5 6 0 2 7 0 1 \*

WEDNESDAY, 25 APRIL  
9.00 AM – 10.00 AM

## 0560/27/01

Fill in these boxes and read what is printed below.

Full name of centre

Town



Forename(s)

Surname

Number of seat




Date of birth

Day

Month

Year

Scottish candidate number

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Read each question carefully.

Attempt **all** questions.

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

Write as neatly as possible.

Use **blue** or **black ink**.

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.



\* 0 5 6 0 2 7 0 1 0 1 \*

1. Christie wants to use her computer to make a newsletter.

(a) State a suitable type of software used to create a newsletter.

\_\_\_\_\_

(b) Christie is unsure how to create her newsletter. She needs some help and decides to look at the *wizard* and *template* features.

Using the words below complete the sentences.

*Wizard*                  *Template*

(i) A \_\_\_\_\_ is a pre-designed page that contains a basic structure of a document.

(ii) A \_\_\_\_\_ is a guide which helps the user to complete a task.

(c) Below are the *input* and *output* devices used by Christie to create her newsletter.

Beside each device tick (✓) whether it is input or output.

One has been done for you.

Device	Input	Output
Printer		
Graphics Tablet	✓	
Trackpad		
Monitor		
Keyboard		

(d) When Christie enters text into her newsletter she notices the computer automatically takes a new line when needed.

State what this feature is called.

\_\_\_\_\_

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1	
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	4
	1



1. (continued)

(e) Christie saves her newsletter to a CD-RW which is a form of backing storage media.

(i) Which two sentences below correctly describe a CD-RW?

Tick (✓) **two** boxes only.

A CD-RW:

needs a laser to read the data

cannot have its data changed

stands for Computer Disc —Rewritable

stands for Compact Disc —Rewritable.

2

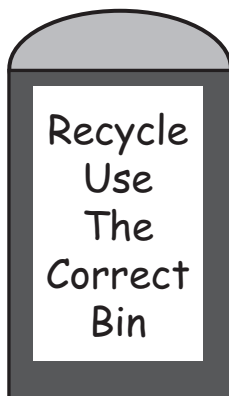
(ii) State **two** other backing storage media.

1 \_\_\_\_\_

2 \_\_\_\_\_

2

(f) Christie designs the logo below for the newsletter using a graphics package.



State **two** graphics tools used to create this logo.

1 \_\_\_\_\_

2 \_\_\_\_\_

2

[Turn over



2. Fred is the secretary of Lowland Rugby Club.

Fred creates a database to store a list of players who are allowed to play for the under 18 rugby team.

(a) Fred stores the following information for each of the 30 players.

- Forename
- Surname
- Date of Birth
- Games Played
- Position

(i) How many records are there in the database? \_\_\_\_\_

(ii) How many fields are there in the database? \_\_\_\_\_

(b) Here is part of the database.

Forename	Surname	Date of Birth	Games Played	Position
Omar	Ali	31/01/1995	5	Scrum Half
Adam	McGregor	30/03/1998	1	Hooker
Derek	McAlpine	07/05/1999	2	Full Back
Douglas	Smith	02/08/1996	8	Hooker
Juan	Gonzalez	21/02/1998	3	Left Wing
Peter	Ulrich	11/10/1997	11	Right Wing

Complete the sentences below to show how Fred will do the following.

(i) Fred wants to find all players who play as a Scrum Half.

He will \_\_\_\_\_ on the field \_\_\_\_\_.

(ii) Fred also needs to find the oldest player.

He will \_\_\_\_\_ on the field \_\_\_\_\_.

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	2



2. (continued)

(c) State **two** advantages of storing information on a computer database instead of a paper based system.

1 \_\_\_\_\_  
\_\_\_\_\_

2 \_\_\_\_\_  
\_\_\_\_\_

(d) Fred saves the database on his computer's hard drive and a second copy on a CD-R.

(i) State the name given to a second copy.

\_\_\_\_\_

(ii) State **one** reason why Fred would make a second copy.

\_\_\_\_\_

(e) (i) Juan would like to see the information that the rugby club has stored about him on the database.

Is Juan allowed to see this information?

Tick (✓) **one** box only.

Yes  No

(ii) His friend Douglas would also like to view information stored about Juan.

Is Douglas allowed to see this information?

Tick (✓) **one** box only.

Yes  No

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2

1

1

1

1

[Turn over



3. Aayushi has bought a new laptop to help with her Standard Grades. The laptop has an *integrated package* already installed.

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(a) Describe an integrated package.

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1

(b) State **two** advantages of an integrated package.

1 

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2 

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2

(c) (i) The integrated package uses a *WIMP* interface.

What does “WIMP” stand for? One word has been completed for you.

W 

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I 

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Menu

P 

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3

(ii) State **one** reason why a WIMP interface would make it easier for beginners to use a computer.

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1

(d) Instead of using a mouse there is another input device on a laptop that allows the user to point and click on icons.

State the name of this input device.

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1





4. Bethany has a computer repair shop.

(a) Bethany is repairing a computer that will not start up properly. She realises that there is a problem with the program that controls the computer.

State the name of this program.

O \_\_\_\_\_ S \_\_\_\_\_

(b) Main memory in a computer is made up of *RAM* and *ROM*.

Using either **RAM** or **ROM** complete the following sentences.

(i) When the computer is switched off all the contents of \_\_\_\_\_ are lost.

(ii) \_\_\_\_\_ keeps all of its information even when the computer is switched off.

(c) Bethany has a computer which has 4 Gb of RAM and a 1 TB hard disk.

Which is the larger?

Tick (✓) **one** box only.

4 Gigabytes	<input type="checkbox"/>
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1 Terabyte	<input type="checkbox"/>
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2	
	1
	1
	1





4. (continued)

(d) Bethany has three second hand computers for sale.

Using the words below match the type of computer to the picture.

*palmtop desktop laptop*

Use each word only **once**.

(e) Bethany sends out a leaflet to previous customers advertising the computers for sale.

State the name given to this type of advertising.

\_\_\_\_\_

KU PS

3

1

[Turn over



5. DD Sportswear sells discounted sportswear online.

(a) (i) State **two** advantages to DD Sportswear of selling its goods online.

1 \_\_\_\_\_  
\_\_\_\_\_

2 \_\_\_\_\_  
\_\_\_\_\_

(ii) State **two** advantages to **customers** of buying goods online.

1 \_\_\_\_\_  
\_\_\_\_\_

2 \_\_\_\_\_  
\_\_\_\_\_

(b) DD Sportswear uses a commercial data processing system.

Which **two** of the following are reasons for DD Sportswear to use a commercial data processing system?

Tick (✓) **two** boxes only.

Data cannot be shared	<input type="checkbox"/>
Data can be processed quickly	<input type="checkbox"/>
Repetitive tasks are handled slowly	<input type="checkbox"/>
A large volume of data can be handled	<input type="checkbox"/>


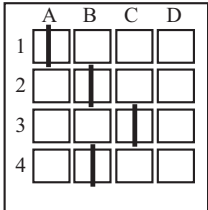

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	2
	2



5. (continued)

- (c) There are many ways of inputting data into a computer system.  
Match the following terms with the appropriate diagrams.

*bar code      magnetic stripe      mark sense*

- (d) DD Sportswear recently introduced robots to its warehouse.  
State **two** reasons why robots might have been introduced to the warehouse.

1 \_\_\_\_\_  
\_\_\_\_\_

2 \_\_\_\_\_  
\_\_\_\_\_

[Turn over

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6. Many organisations use computer *networks*.

(a) Describe a network.

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1

(b) Select **two** advantages for an organisation to use a network.

Tick (✓) **two** boxes only.

Expensive peripherals can be shared	<input type="checkbox"/>
Files are not stored centrally	<input type="checkbox"/>
E-mail can be sent between computers	<input type="checkbox"/>
Networked computers are not managed centrally	<input type="checkbox"/>

2

(c) In order to connect to the Internet, computers need additional hardware and software.

*software      modem      hardware      browser*

Using the words above complete the sentences.

Use each word only **once**.

(i) A \_\_\_\_\_ is an item of

\_\_\_\_\_ that connects the computer to a telephone line.

2

(ii) A \_\_\_\_\_ is a type of

\_\_\_\_\_ that displays web pages on the computer screen.

2

(d) State what a network located in one building is called.

\_\_\_\_\_ Area Network

1

[END OF QUESTION PAPER]



ADDITIONAL SPACE FOR ANSWERS

DO NOT  
WRITE  
IN THIS  
MARGIN

KU	PS



\* 0 5 6 0 2 7 0 1 1 4 \*

ADDITIONAL SPACE FOR ANSWERS

DO NOT  
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KU	PS



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DO NOT WRITE ON THIS PAGE

