

FOR OFFICIAL USE

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0560/403



KU PS TOTAL

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NATIONAL WEDNESDAY, 13 MAY
 QUALIFICATIONS 1.00 PM – 2.45 PM
 2009

COMPUTING STUDIES
 STANDARD GRADE
 Credit 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

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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.

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.





1. PetrolPatrol is a fuel company.

In order to communicate with branches in different countries they use a *Wide Area Network*.

(a) (i) Name **one** type of *transmission media* which could be used in a Wide Area Network.

1

(ii) State the main disadvantage of sending information over a Wide Area Network.

1

(b) A monthly management meeting is held using *video conferencing* facilities.

(i) State **two** advantages **for the company** holding their meetings this way.

1 _____

2 _____

2

(ii) Each video conferencing room contains a *webcam*. State the purpose of the webcam in this situation.

1

(c) The minutes of the meeting will be sent via e-mail to all the managers. They are highly confidential.

State what should be done to the file before it is sent electronically.

1

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1. (continued)

(d) One manager asked that details of the meeting were saved using a *standard file format*.

(i) Explain why he made this request.

(ii) One standard file format used for word processed documents is *RTF*.

What does RTF stand for?

R _____ **T** _____ **F**ormat

(iii) Name another standard file format used for word processed documents.

[Turn over

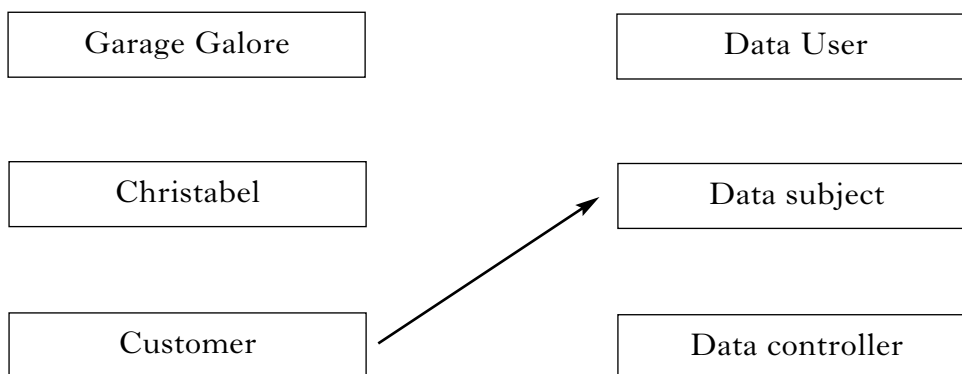
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	2

2. (continued)

- (c) Christabel gave a list of customer details to a car dealer. He wanted to send out promotional leaflets advertising special offers.

State whether Christabel was right to hand over the customers' details and give **one** reason to justify your answer.

- (d) Draw lines to show the correct relationships in the diagram below.



[Turn over

5. The Senior pupils at TreeView Academy are planning to stage six coffee mornings throughout the year. They decide to create a poster giving the details.

(a) One pupil suggests they use a *freeware* program to design the coffee cup. State what is meant by the term freeware.

2

(b) Another pupil suggests they start by creating a *template*.

(i) State what is meant by a template.

2

(ii) State **one** advantage of using a template.

1

(c) They decide to use a photograph of the school from an old magazine. State how they can include the photograph in the poster.

1

(d) Once the photograph has been inserted they realise it is necessary to *crop* and *scale* it.

(i) State what it means to crop the photograph.

1

(ii) State what it means to scale the photograph.

1

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	1
1	

6. (continued)

(e) This database of customer details can be accessed by many people at the same time.

State what type of database this is.

(f) Kyrre is an employee of Nu4Old. He changed the details of his friend's car to get him a cheaper deal for his car insurance.

(i) Name the Act Kyrre has breached.

(ii) State **one** other breach of the Act.

[Turn over

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8. Factories often use *mobile robots* to carry heavy components from one place to another.

(a) (i) Describe **two** different methods of guiding these mobile robots along their routes.

Method 1 _____

Method 2 _____

(ii) Give **one** advantage for each of the methods you have described.

Advantage of Method 1 _____

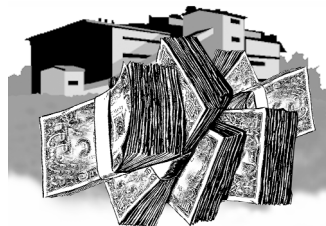
Advantage of Method 2 _____

[Turn over

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8. (continued)

(b) The factory manager realises that new automated equipment is expensive.



(i) State **two** arguments that the factory manager could use to persuade the company to invest in new automated systems.

1 _____

 2 _____

2

(ii) He decides to buy *intelligent robots*.

Name **two** hardware features of an intelligent robot.

1 _____

 2 _____

2

[END OF QUESTION PAPER]