

Surname	Centre Number	Candidate Number
Other Names		2



GCE AS/A level

1641/01

APPLIED INFORMATION & COMMUNICATION TECHNOLOGY

UNIT AICT 1

eBusiness – Gaining Skills in eBusiness

Paper version of on-screen assessment

A.M. THURSDAY, 23 May 2013

3 hour examination consisting of two parts

For Examiner’s use only

Total mark (PART A only)	
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1641-010001

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

INFORMATION FOR CANDIDATES

Questions in this paper are based on the context of *SchoolConnect*.

The examination consists of two parts:

Part A: Knowledge and application of eBusiness (40 marks - 1 hour)

Part B: Tasks to demonstrate practical competence (60 marks - 2 hours)

The context for the examination is set in the Introduction.

A short break is permitted between Parts A and B.

Quality of Written Communication will be assessed in Question 8 of Part A.

INTRODUCTION



SchoolConnect is a coach company that provides safe and modern transport for schools in the local area. The company was founded in 1988 by Charles Thomas and is now run by his daughter Eva.

Eva has decided that she wants to expand the company and has identified an opportunity to provide transport for schools in neighbouring local authorities. This project will involve setting up depots in each local authority for the coaches and the staff. Each depot will have a manager and a bookings officer as well as drivers and mechanics to maintain the vehicles.



Eva realises that if she is going to make the best use of its resources the company will need to share information and have good communication between the head office and the local depot.

She has asked you to investigate how ICT could be used to ensure the new venture will be functional and successful.



1. You have been asked to consider methods of gathering information from primary sources.



"Hello. My name is Eva Thomas and I run SchoolConnect. I would like some advice regarding methods our marketing department could use to gather information from primary sources."

(a) Name **two** methods that could be used to gather information from primary sources.

[2]

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(b) Describe **one** disadvantage of **each** of the methods you have identified.

[4]

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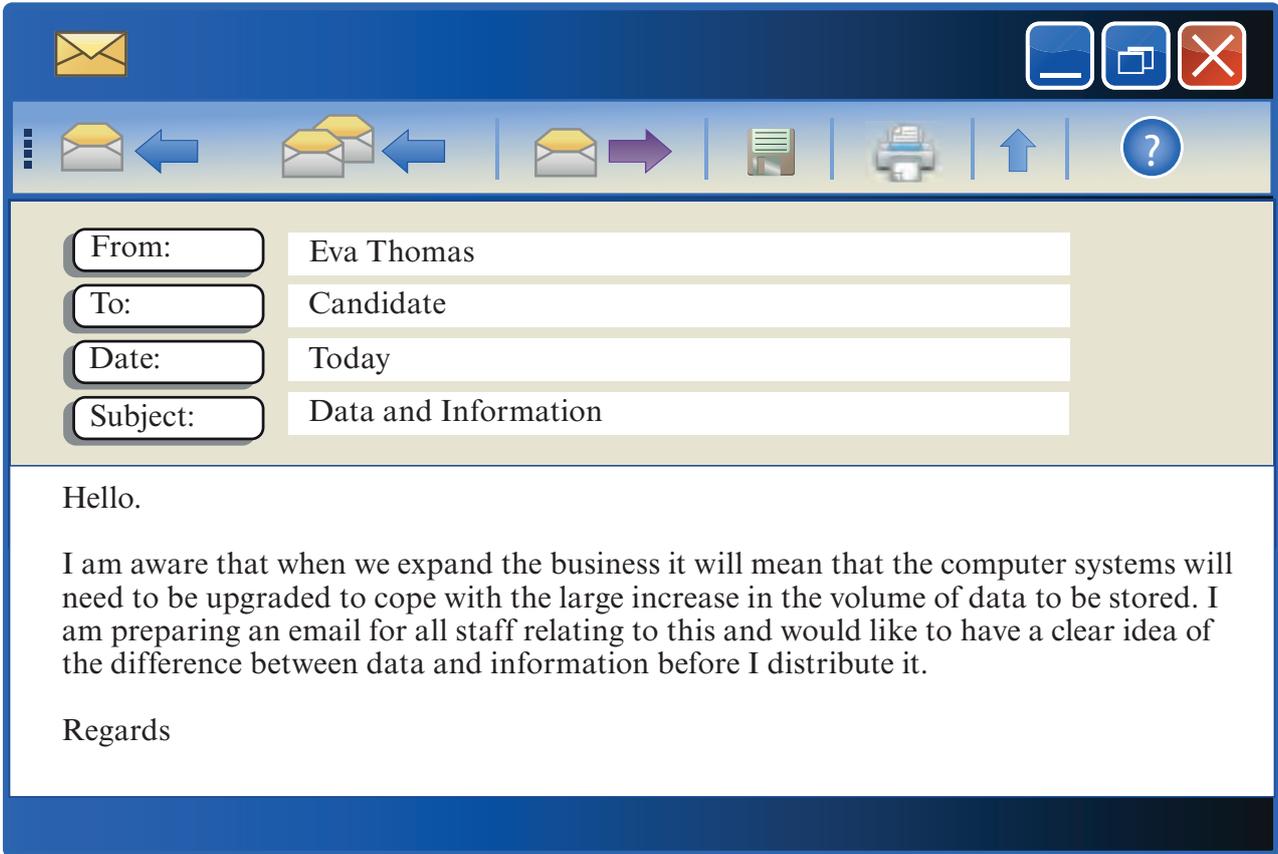
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2.



Using a relevant example, explain the difference between data and information. [3]

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3.



“Hello again. It is essential that the depots are able to share information to make the best use of resources. I would like your advice regarding how we can provide access to our central computer system for the managers based in the local depots.”

Describe how *SchoolConnect* could provide access to the central computer system for the managers based in the local depots. [4]

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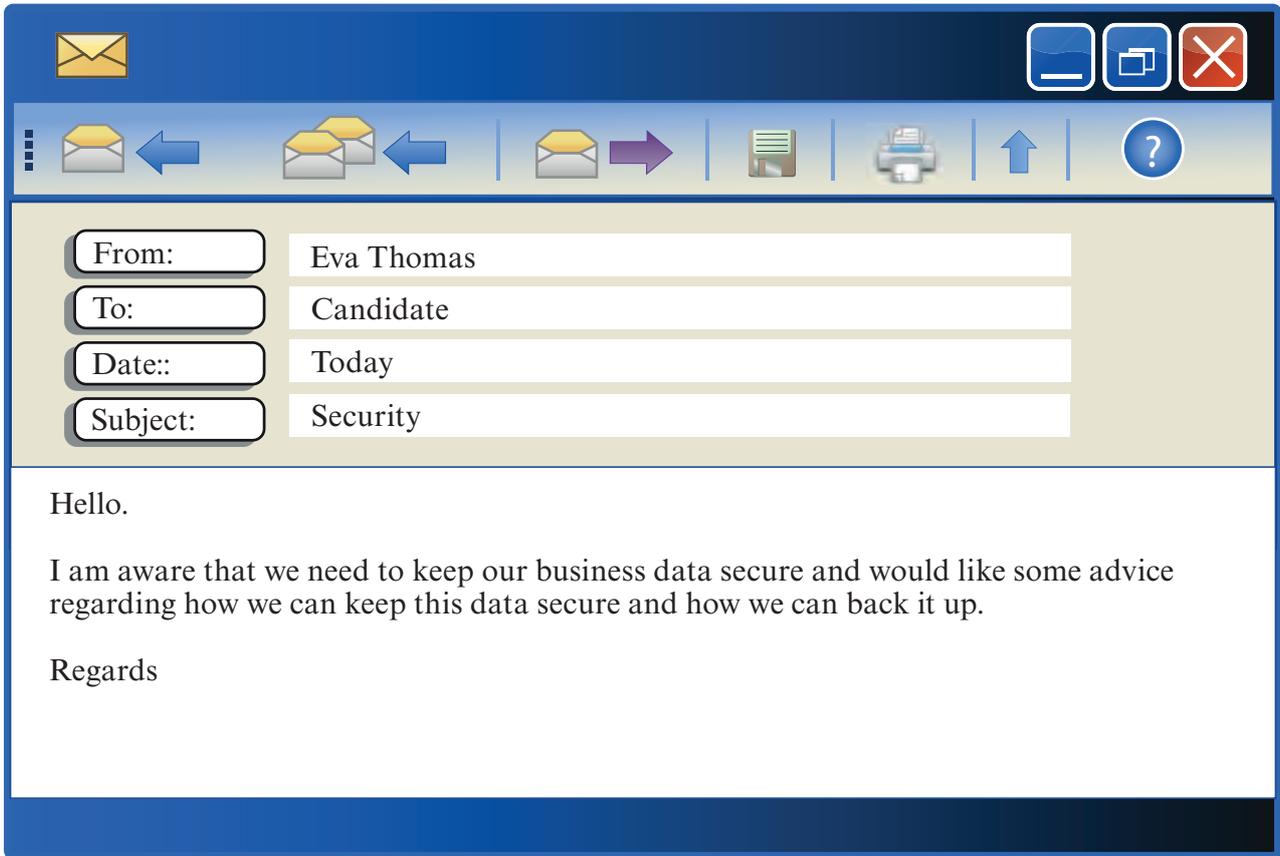
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4.



(a) One method of keeping business data secure is the use of passwords. Describe **two other** methods that the company could use to maintain the security of its business data. [4]

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(b) Describe a method *SchoolConnect* could use to back up its business data.

[2]

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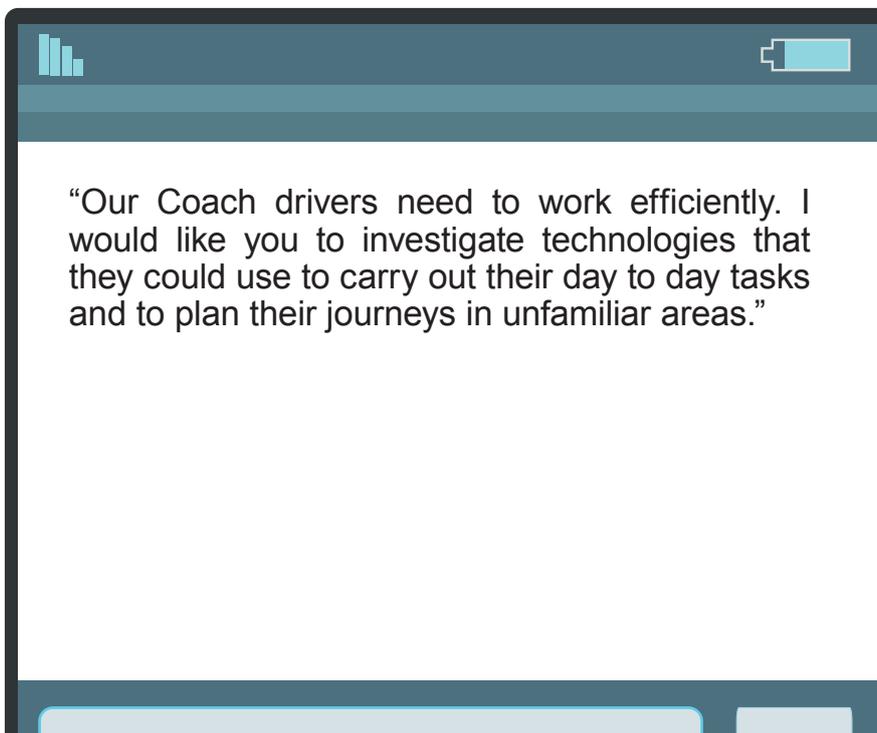
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5.



Describe **two** technologies that the drivers could use to help them work efficiently.

[4]

Technology 1:

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Technology 2:

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6.



“Having coaches and drivers in the right place at the right time is essential to the business. I am aware that we will need to make use of technology to help ensure this happens.”

Describe **two** features of a database package that would help the company keep accurate records of its coaches and drivers. [4]

Feature 1:

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Feature 2:

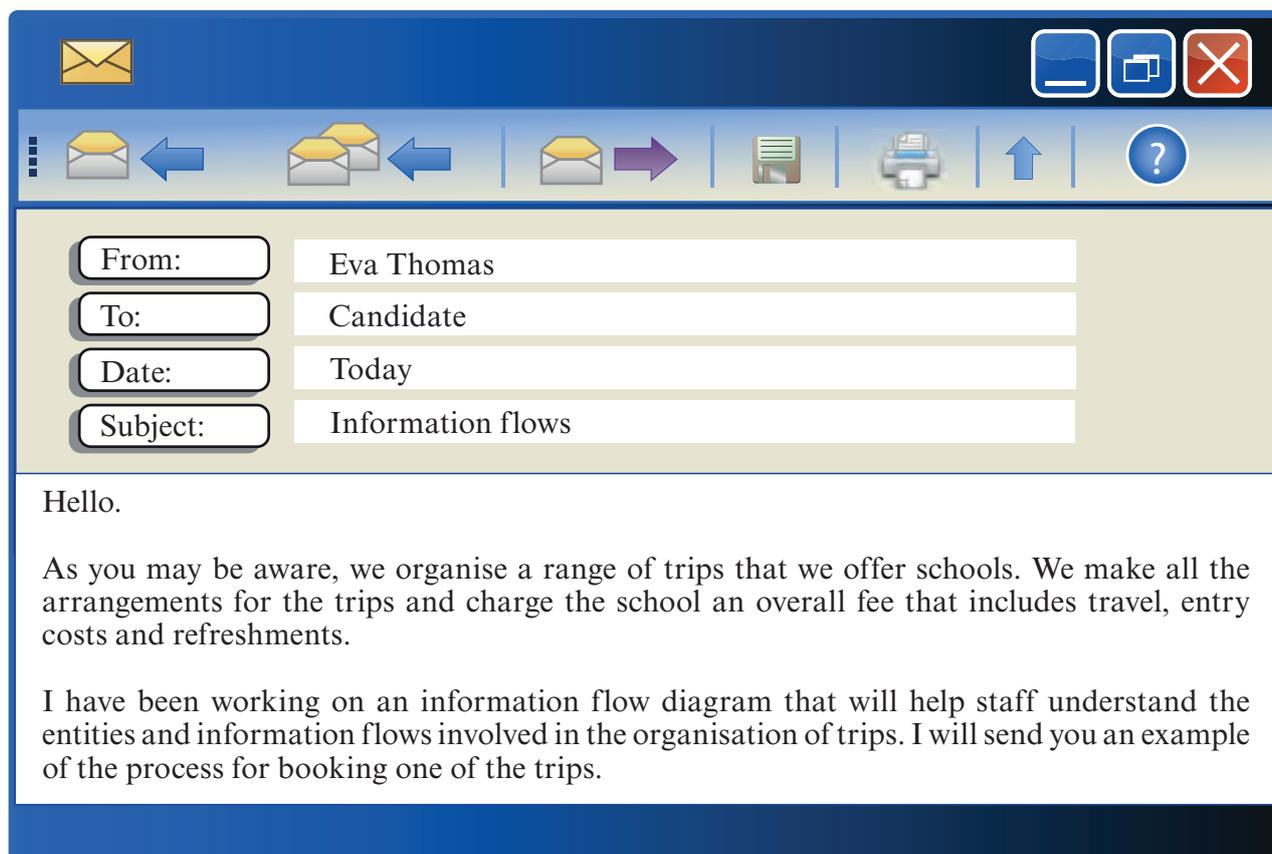
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7.



Example of booking a school trip with *SchoolConnect*

A school wishes to book a trip to a theme park for its Year 10 pupils. The school secretary telephones the booking office at *SchoolConnect* with booking details. The booking clerk records the booking details, then passes these to the administration department and sends a copy to the finance department.

The administration department sends a travel request to the depot where the manager reserves a coach and a driver for the correct date. The depot manager sends a travel confirmation to the administration department which sends a copy to the booking office.

The administration department sends a purchase order request for tickets for the theme park to the purchasing department. The purchasing department sends a purchase order to the theme park and a copy of the purchase order to the finance department.

The theme park sends tickets to the purchasing department and an invoice to the finance department. The finance department sends a payment to the theme park.

The purchasing department sends the tickets to the booking office. The booking office sends a booking confirmation to the school and the finance department sends an invoice. The school sends a payment to the finance department.

Label the diagram opposite to show the entities and information flows described.

[5]

