Surname		Centre Number	Candidate Number
Other Names			2

GCE AS/A LEVEL – NEW

2535U10-1

THURSDAY, 23 MAY 2019 – MORNING

APPLIED INFORMATION & COMMUNICATION TECHNOLOGY

AS unit AICT1 – Part A
eBusiness – Gaining Skills in eBusiness
Paper version of on-screen assessment

3 hour examination consisting of two parts

For Examiner's use only		
Question	**Maximum Mark**	**Mark Awarded**
1	4	
2	5	
3	4	
4	4	
5	4	
6	5	
7	4	
8	4	
9	6	
Total Mark (PART A only)	**40**	

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.

Write your answers in the spaces provided in this question-and-answer-booklet. If you run out of space, use the continuation page at the back of the booklet, taking care to number the question(s) correctly.

INFORMATION FOR CANDIDATES

Questions in this paper are based on the context of *Prospect Student Lettings Ltd (PSL)*.

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 **9** of Part A.

Introduction

Prospect Student Lettings Ltd (PSL) is an estate agency that specialises in letting accommodation to university students. The agency lets "Houses in Multiple Occupation" (HMO) to groups of students. An HMO is a property rented by at least three people who are not from one household (e.g. a family) but share facilities like the bathroom and kitchen.

The agency provides a full service to potential tenants including arranging viewings, filling in reference forms, drawing up contracts and collecting the deposit for the landlord.

PSL realise that not all students will be part of a group wishing to rent a property together. The agency is setting up a new service called *PSL Rooms*. This service will offer individual rooms to rent in a shared property. The agency intends to recruit new staff to handle the room letting service.

Hello, my name is James Campbell. I am the managing director of Prospect Student Lettings Ltd. Our new room-letting service must be efficient. I am considering either extending our existing computer network for the room letting service staff or installing a separate network.

1. Describe **two** benefits of extending an existing network for additional users rather than installing a second network. [4]

Benefit 1

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Benefit 2

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FROM: *James*

TO: *Candidate*

DATE: Today

SUBJECT: Room Letting Process

It is important that all our new staff understand all the stages of the room-letting process. Can you prepare me an information flow diagram to illustrate the process please?

2. The room-letting process is described below: [5]

A student who wishes to rent a room contacts the registration clerk with their rental requirements. The registration clerk records the student's requirements on a registration form which is sent to the room letting service's administration department. The administration department sends a copy of the registration form to one of the room-letting agents. The room-letting agent sends a list of available rooms to the student. The student chooses which rooms they would like to view and sends a viewings list to the room-letting agent.

The room-letting agent sends room viewing requests to the property landlords.

If the student wishes to rent one of the rooms viewed they must complete a reference form to show they can afford the room. The reference form is sent to the administration department that sends a copy of the reference form to the finance department. If the finance department is satisfied that the student can afford the room it sends a contract to the student and a copy of the contract to the landlord. Both the student and the landlord sign and return the signed contracts to the financial department.

Complete the diagram to show the room-letting process.

Room viewing request

Room letting agent

Administration Department

Finance Department

Rooms available

Rental requirements

Student

Contract

(2535U10-1)

Turn over.

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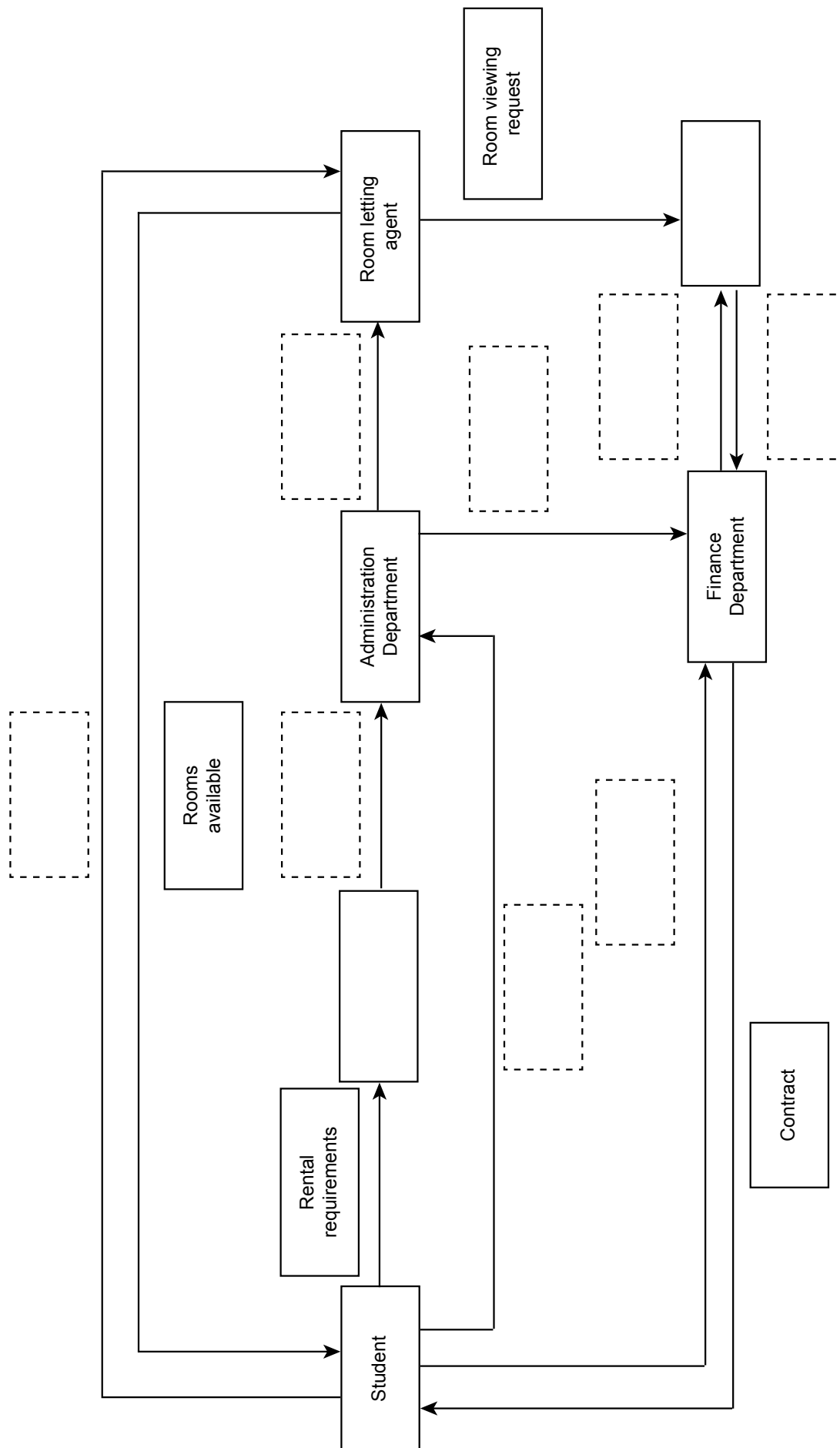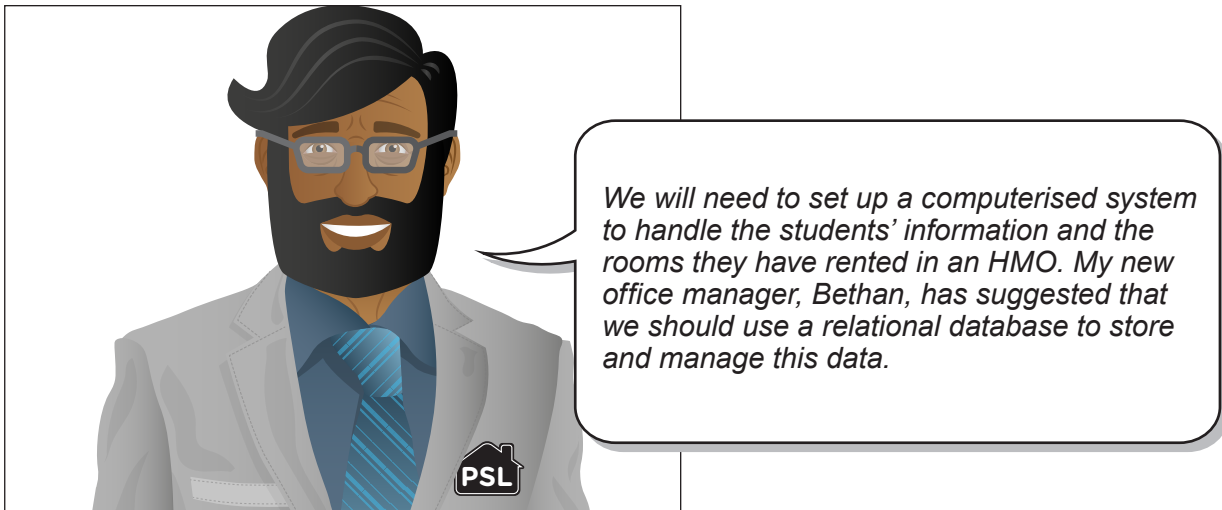
3. Describe **two** advantages of using a relational database to store information about the students and the HMOs. [4]

Advantage 1

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Advantage 2

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I am aware of how valuable our business data is and want to make sure that we take all possible steps to keep the data secure.

4. Business data is valuable and should be kept secure.

(a) Describe the purpose of cryptography. [2]

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(b) Describe what is meant by biometric security. [2]
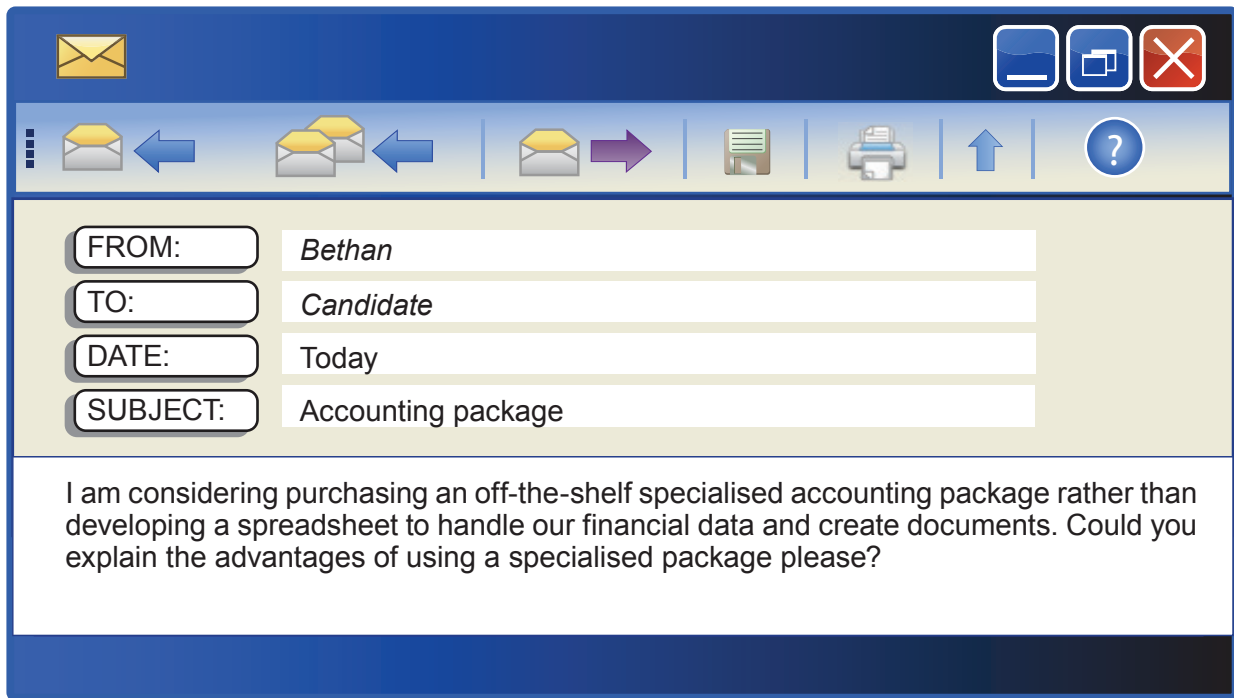
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FROM: *Bethan*

TO: *Candidate*

DATE: Today

SUBJECT: Accounting package

I am considering purchasing an off-the-shelf specialised accounting package rather than developing a spreadsheet to handle our financial data and create documents. Could you explain the advantages of using a specialised package please?

5. Explain the advantages of using an 'off-the-shelf' specialised accounting package rather than developing a spreadsheet in-house. [4]

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The room letting service is proving to be extremely popular and successful. We are looking to purchase additional properties and need to identify suitable areas that will attract students. I have heard of the terms Big Data and Data Mining. Could you explain them to me please?

6. *(a)* Describe what is meant by the term 'big data'. [2]

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(b) Explain what is meant by data mining. [3]

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FROM: *James*

TO: *Candidate*

DATE: Today

SUBJECT: Technology to communicate

I would like to use technology to communicate with the students who are renting our rooms. Can you suggest ways in which we could use email please?

7. Technology can be used to promote services.
Describe how the facilities of an email package can be used to contact the students effectively. [4]

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I would like to ensure that potential clients are able to find our company website easily. I understand that a URL is used to identify a website. Can you explain what a URL is please?
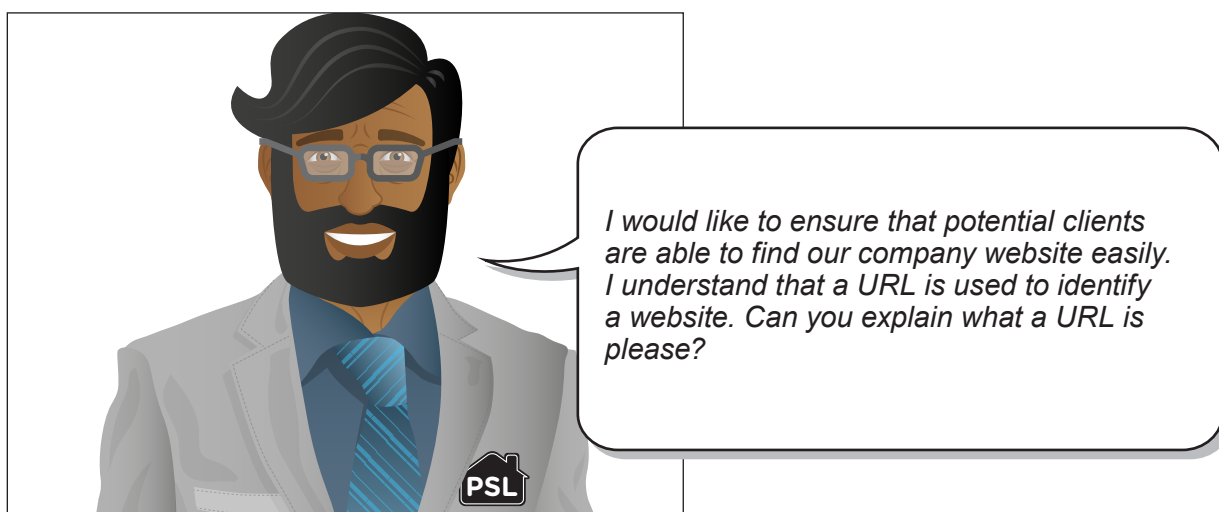
8. Explain the role and structure of a uniform resource locator (URL) using 'http://www.prospect-lettings.co.uk/rooms' as an example. [4]

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9. Web browser software is used to display websites from the World Wide Web.
Describe the purpose and function of a web browser. [6]

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END OF PAPER

Turn over.

For continuation only.

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