



Oxford Cambridge and RSA

**Monday 14 May 2018 – Morning**

**LEVEL 1/2 CAMBRIDGE NATIONAL IN ICT**

**R001/01 Understanding Computer Systems**

Barcode with numbers:  
\* 7 0 5 1 3 3 7 2 1 \*

Candidates answer on the Question Paper.

**OCR supplied materials:**

- Clean Copy of the Pre-release Case Study (R001/01 – Inserted)

**Other materials required:**

None

**Duration: 1 hour**



Candidate forename		Candidate surname	
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Centre number						Candidate number			
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**INSTRUCTIONS TO CANDIDATES**

- The Case Study Insert can be found inside this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the barcodes.

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **60**.
- This document consists of **12** pages. Any blank pages are indicated.

Answer **all** the questions.

### SECTION A

**The questions in this section are based on scenario 1 in the case study and your background research.**

- 1 Each week, a motivational video is recorded.

- (a) Identify **one** input device that can be used to create a weekly video recording.

..... [1]

Each video recording is posted on the Gym's website so members can watch it.

- (b) (i) Identify **one** device that this video recording could be watched on.

..... [1]

- (ii) Describe **one** feature of this device that makes it suitable for this purpose.

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..... [2]

- 2 Global Positioning System (GPS) enabled devices are used to locate the position of individual riders during a group cycle ride.

- (a) Describe how GPS technology identifies the location of an individual rider.

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[4]

- (b) Describe how data from GPS enabled devices can be used to track the location and speed of movement of riders during a group cycle ride.

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[4]

Each personal trainer has been given a laptop to help them with their work.

- (c) Explain **one** reason why each personal trainer has been given a laptop rather than a desktop machine for this purpose.

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[2]

Personal trainers have individual microphones that are used when recording their audio notes on the exercises being completed by gym members.

- (d) Explain **two** reasons why personal trainers would take notes using a microphone.

1 .....

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2 .....

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[4]

3 The laptops in the Gym hold the personal data of each gym member.

(a) Describe **two** ways that Maes Knoll Gym can protect the data on each laptop from unauthorised access.

1 .....

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2 .....

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[4]

(b) Identify **one** way that each laptop can be protected from theft whilst not in use.

..... [1]

One of the laptops has been stolen from the Gym.

(c) Explain **one negative** impact of this theft on **Maes Knoll Gym**.

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[2]

(d) Explain **one possible** impact of this theft on **members of Maes Knoll Gym**.

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[2]

- 4 Each laptop is used as a stand-alone computer.

- (a) Describe what is meant by the term 'stand-alone computer' in this context.

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[2]

- (b) Describe **one** technology that could be used to create a network of all the laptops used by the personal trainers.

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[2]

## SECTION B

**The questions in this section are based on scenario 2 in the case study and your background research.**

- 5 Mandy has been given a budget to buy a computer system that suits the needs of her job.

(a) Explain how the following factors will impact on Mandy's decision of which computer system to buy:

- budget;
  - user needs.

. [9]

Mandy has already decided the standard computer hardware such as the mouse, monitor, keyboard and the microphones that she will buy.

- (b) Identify **two** additional items of peripheral hardware that Mandy will need for her job. For **each** item, explain why Mandy needs them to complete her job.

1 .....

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2 .....

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[4]

- 6 Mandy needs to create an urgent press release about the new yoga instructor who has joined the Gym. The press release will include only text and will be saved as a file on her computer.

- (a) Identify the **most** suitable software for Mandy to use to create the press release.

..... [1]

Mandy has created a folder on her computer for her 2018 press releases and called it **Press Releases – 2018**

- (b) Explain **one** reason why Mandy has used this name for the folder.

.....  
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.....  
..... [2]

Mandy needs to send the file to the owner of the Gym for checking. The owner is currently on holiday in Australia.

- (c) (i) Identify the **most** suitable method that could be used to send the file to the owner of the Gym.

..... [1]

- (ii) Explain why this is the **most** suitable method to use.

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..... [2]

10

Mandy has sent the file to the owner of the Gym. She has turned on the 'track changes' feature.

- (d) Describe how the 'track changes' feature is used as part of Mandy's collaboration with the owner of the Gym.

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[2]

- (e) Explain **one** reason why Mandy has chosen to use the 'track changes' feature with the file she has sent to the owner of the Gym.

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[2]

- 7 Mandy needs to arrange a meeting that will involve the owner of the Gym and the new yoga instructor. She will use diary management software to organise the meeting.
- (a) Complete the table below to describe how the identified features of diary management software could be used for this purpose. [4]

Features of diary management software	How Mandy can use this feature
creating meetings	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
inviting participants	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>

- (b) Describe **one other** feature of diary management software that Mandy can use to try to ensure that the owner of the Gym does not miss the meeting.

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.....

[2]

**END OF QUESTION PAPER**

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