

MOCK EXAMINATION

CAMBRIDGE NATIONAL IN ICT

R001/01 Understanding Computer Systems

Candidates answer on the Question Paper.

OCR supplied materials:
None

Other materials required:
None

Duration: 1 hour

Candidate forename		Candidate surname	
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Teacher		Set	
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INSTRUCTIONS TO CANDIDATES

- 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 bar codes.

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 **10** pages. Any blank pages are indicated.

SECTION A

Answer **all** questions.

1 In order to make bookings, leisure centre customers will need to connect to the internet.

(a) What type of software would be needed to view webpages?

..... [1]

(b) State **two** file types suitable for an on-line brochure containing information about the leisure centre and future events?

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

(c) When customers use a computer to access the internet, state **one** output device needed to view a webpage when making a booking.

..... [1]

(d) When customers use a computer to access the internet, state **one** output device needed to produce a paper copy of the booking.

..... [1]

(e) Describe **two** ways in which the leisure centre could make it easier for smartphone users to make bookings directly from their phone.

1.

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.....

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2.

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.....

..... [4]

(f) When making a booking, customers will be asked to provide an email address.

(i) Explain why the leisure centre might want to collect a customer's email address.

.....

.....

.....

..... [2]

2 A leisure centre employee has suggested that it would be a good idea to include a photograph of a fast-food restaurant on the leisure centre's health and fitness web-page. He has found a suitable picture on the website of a fast-food restaurant business.

(a) State the Law (Act) that must be complied with if this image is to be used on the leisure centre website?

..... [1]

(b) state **two** actions that the leisure centre would need to take in order to use these images legally.

1.

.....

2.

..... [2]

3 Jane is prompted to enter her username and password when she starts up her computer. Her current password is: 95pf#tws

(a) State **two** features that help to make 95pf#tws a good password.

1.

.....

2.

..... [2]

(b) state **two** ways that Jane could ensure that her password is kept secure.

1.

.....

2.

..... [2]

4 Jane has the following activities that she needs to perform:

- 21st March: 10am: visit Hallam's Builders Ltd
- 21st March: 11.30am: visit John Kelvin at home
- 21st March: write report on investigation into noise pollution (need two hours)
- 22nd March: email report to my manager.

(a) what type of software is most suitable to help Jane organise these activities?

..... [1]

(b) Explain **two** reasons why the software you have chosen is suitable for this purpose.

1.

.....

.....

.....

2.

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.....

..... [4]

SECTION B

Answer **all** questions.

1 Steve Jones wants to listen to the music stored on his computer system.

(a) Identify **two** input devices that Steve could use to select a song stored on his system.

1

2 [2]

(b) Identify **one** output device that Steve would need so that he could listen to songs on his computer system.

..... [1]

(c) Identify **two** file types that are used to store music digitally.

1

2 [2]

(d) Before each booking, Steve selects the music he wants to play and transfers it to a storage medium.

(i) Identify **one** storage medium that would be suitable for this purpose.

..... [1]

(ii) Give **two** reasons why this is the most suitable medium.

1

2 [2]

2 Steve allows his audience members to request songs that they want to hear. He provides his audience with a form, on paper, on which requests can be made.

(a) What **type** of application software would be **most** suitable to use to create this form?

..... [1]

(b) State **one** output device that would be used to create a hard copy of this form.

..... [1]

Audience members must provide Steve with information so that he can correctly identify the song they want to hear.

(c) Identify **two** items of information that audience members would need to provide so that Steve can correctly identify the requested song.

1

.....

2

.....

[2]

Steve is worried that a paper-based form is **not** the most suitable method for data capture in a club.

(d) Explain **one** possible **disadvantage** caused by using a paper-based form to capture the information Steve needs.

.....

.....

.....

..... [2]

Steve is aware that many of his audience have smartphones.

(e) Describe **two** ways, other than voice calls, that Steve could use to enable his audience to request songs using smartphones.

1

.....

.....

2

.....

.....

[4]

3 Steve announces the names of some of the tracks he plays. Steve has both a wireless and a wired microphone that he could use.

(a) Explain **one** reason why Steve could choose a **wireless** microphone for this purpose.

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

(b) Explain **one** reason why Steve could choose a **wired** microphone for this purpose.

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

4 Nico uses spreadsheet software to set suitable fees for each booking.

Explain **three** reasons why this software is suitable for this purpose.

1

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2

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3

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[6]

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