

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
LEVEL 1/2**

R001/01

**CAMBRIDGE NATIONAL IN ICT
Understanding Computer Systems**

WEDNESDAY 18 MAY 2016: Morning

**DURATION: 1 hour
plus your additional time allowance**

MODIFIED ENLARGED

Candidate forename						Candidate surname				
Centre number						Candidate number				

Candidates answer on the Question Paper.

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

OTHER MATERIALS REQUIRED:
None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

The Case Study Insert can be found inside this document.

Write your name, centre number and candidate number in the boxes on the first page. 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).

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.

Any blank pages are indicated.

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SECTION A

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

Answer ALL the questions.

1 Bridget uses web-authoring software to maintain the Fun Gym website.

(a) Identify ONE input device that Bridget can use to add text to the website.

_____ **[1]**

(b) Web-authoring software includes many tools to help create a website. One of these tools is the spell checker.

Explain how the use of the spell checker tool improves the effectiveness of the website.

_____ **[2]**

(c) Identify TWO output devices that Bridget needs as part of her computer system when working on the website. For EACH device, state its purpose.

Device 1 _____

Purpose _____

Device 2 _____

Purpose _____

[4]

2 The Fun Gym website has a ‘news’ section that includes photographs and articles about instructors and special events.

(a) Identify ONE input device that can be used to capture photographs to use on the website.

_____ **[1]**

(b) Bridget is not a very good photographer and the photographs that she takes often have to be edited to make them suitable for use on the website.

Explain ONE reason why a photograph may need to be edited to make it suitable for use on the website.

_____ **[2]**

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(c) Bridget optimises her photographs before she adds them to her website.

Discuss the factors that Bridget should consider when optimising photographs for display on her website.

[8]

[illegible]

3 Members who want to book a class have to enter a user ID and password to log on to the ‘members only’ section of the website.

(a) Explain ONE reason why the ‘members only’ section of the website is protected by a password.

[2]

(b) Software on the Fun Gym website stops members from booking the same session twice.

Describe ONE benefit to Fun Gym of restricting members from booking the same session twice.

[2]

(c) When a member logs on to the 'members only' section, the website displays a list of those classes that the member has already booked.

Describe ONE benefit to members of displaying this information.

[2]

4 Instructors are paid for each class they lead.

Bridget uses a spreadsheet to calculate how much each instructor should be paid each month.

(a) Explain TWO reasons why spreadsheet software is suitable for calculating each instructor's monthly pay.

1 _____

2 _____

[4]

- (b) At the end of each month, each instructor is sent an encrypted file which shows their earnings for the month.**

Explain ONE reason why Bridget encrypts these files before sending them.

[2]

SECTION B

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

Answer ALL the questions.

5 Tom uses music in his classes.

(a) Identify TWO file types that would be suitable for Tom to use to store music digitally.

1 _____

2 _____

[2]

(b) Tom wants the music he has at home to be available for use in his classes.

(i) Identify TWO types of portable storage media that would be suitable for this purpose.

1 _____

2 _____

[2]

- (ii) Tom sometimes forgets to bring his storage media to his classes and so he is interested in other methods he could use so that his music is available to be played.

Describe ONE other method Tom could use to make the music he has selected available for him to play in his classes.

[2]

- (c) Identify ONE possible legal implication of Tom using music in his classes and explain how this may be avoided without Tom having to stop using the music.

[3]

6 Every week Tom creates a poster advertising the next week's sessions.

(a) Identify the MOST suitable TYPE of applications software for this purpose.

_____ **[1]**

(b) Describe ONE feature of this software, other than a spell checker, which Tom could use when creating the poster.

_____ **[2]**

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- 7 At the start of each month, Tom sends a group email to each of his private clients.

From:	Tom Spensley
To:	AJS@hostmail.co.uk; Wayne.Smith@sun.co.uk; BellaBoo@BFR.co.uk; Minnie@gallopmail.com; BIGMAX@hostmail.com; Betty@wowiee.co.uk
Cc:	
Bcc:	GeoffMac@hostmail.com
Subject:	{Change this before sending}
Sent: 7 April 2016 09:24	
Dear all	
Please find attached the events and competitions for next month. I strongly suggest that you sign up for the colour run.	

Tom made five errors when writing the group email opposite. Complete the table below to identify each error and why it is an error.

	ERROR	WHY THIS IS AN ERROR
(i)		
(ii)		
(iii)		
(iv)		
(v)		

[10]

8 Tom has recently been the victim of cyber-bullying.

(a) Describe ONE form this cyber-bullying could have taken.

[2]

(b) Describe TWO ways that Tom should deal with this cyber-bullying to reduce the chance of it happening again.

1

2

[4]

- 9 Tom has been researching into the use of games consoles and specialist input devices to increase children's participation in exercise.**

Identify TWO specialist input devices that would involve players directly in exercise whilst using games consoles.

1 _____

2 _____

[2]

END OF QUESTION PAPER

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