

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GCSE
B061/02
INFORMATION AND COMMUNICATION
TECHNOLOGY
ICT in Today's World

MONDAY 14 MAY 2018: Morning
DURATION: 1 hour
plus your additional time allowance

MODIFIED ENLARGED

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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Candidates answer on the Question Paper.

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF



INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the boxes on the front 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.

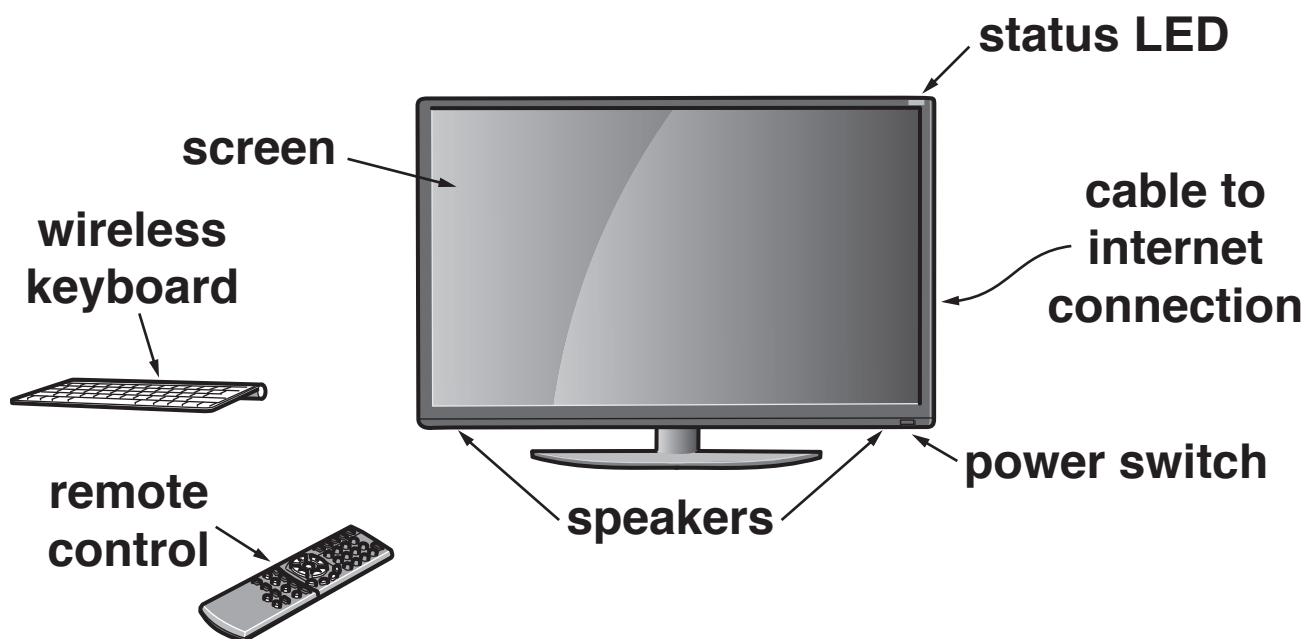
Quality of written communication is assessed in questions marked with an asterisk (*).

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Answer ALL the questions.

- 1 A smart television system is shown in FIG. 1. The television system is connected to the internet.

FIG. 1



- (a) Identify ONE input device that is included in the television system shown in FIG. 1 and state what it would be used for.

Input device _____

Use _____

[2]

- (b) Identify ONE output device that is included in the television system shown in FIG. 1 and state what it would be used for.**

Output device _____

Use _____

[2]

- (c) Describe TWO ways that programme content can be accessed over the internet for the viewer to watch on the smart TV.**

1 _____

2 _____

[4]

2 A private office is protected by a computerised security system. The system will allow authorised people to enter the office and will alert people when an unauthorised person has gained entry to the office.

(a) Identify THREE methods of quickly inputting data into the system when entering the office and give ONE benefit, other than speed, of each method.

The benefits you give MUST be different.

Method 1 _____

Benefit 1 _____

Method 2 _____

Benefit 2 _____

Method 3 _____

Benefit 3 _____

[6]

(b) Describe THREE ways the system could alert others to the presence of an unauthorised person in the office.

1 _____

2 _____

3 _____

[6]

- 3 Complete the table below to identify the most appropriate hardware device that would be used with a laptop computer for each of the given tasks. [5]**

Task	Appropriate hardware device
Adding files to an optical disk	
Producing a hardcopy of a document	
Selecting an option from an on-screen menu	
Storing the operating system of the laptop	
Inputting an exact copy of a printed photograph	

4 Computer systems include backing storage and main memory.

Explain the DIFFERENCE between backing storage and main memory.

[4]

***5 Explain why young people's use of the internet should be carefully monitored.**

Marks will be awarded for the quality of written communication in your answer.

[illegible]

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- 6 The spreadsheet in FIG. 2 is used to model the profit and loss of the sale of party items. A company has a target of making a profit of more than £10 for the sale of these items.

FIG. 2

	A	B	C	D	E
1	<u>Profit/Loss</u>				
2	Item	Price paid per box		Selling price per box	Profit/Loss
3	Candles	£3.50		£5.00	£1.50
4	Matches	£1.20		£1.15	–£0.05
5	Plastic knives	£1.50		£1.30	–£0.20
6	Plastic forks	£1.75		£1.30	–£0.45
7	Plastic spoons	£1.60		£1.30	–£0.30
8	Paper plates	£4.00		£5.00	£1.00
9	Paper napkins	£1.09		£2.25	£1.16
10					
11				Profit/Loss	£2.66
12					
13				Target	
14					
15					
16					

(a) The selling price of plastic forks is increased to £1.95.

(i) Give the cell reference of the cell that MUST be changed.

_____ **[1]**

(ii) Give the cell references of the TWO cells that will automatically change when the price of plastic forks is increased.

1 _____

2 _____ **[2]**

(b) This formula will be placed in cell E13 to show whether or not the target of more than £10 is met:

=IF(E11>10,"Profit Target Met","Profit Target NOT Met")

A **B** **C**

Describe what each of the labelled parts of the formula does.

A _____

B _____

C _____

[6]

***7 Explain how ICT allows people to continue to work when they are away from their main office.**

Marks will be awarded for the quality of written communication in your answer.

[illegible]

[illegible]

END OF QUESTION PAPER

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