

Friday 1 June 2012 – Morning

GCSE INFORMATION AND COMMUNICATION TECHNOLOGY

B061/02 ICT in Today's World

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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Centre number						Candidate number				
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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**.
- Your Quality of Written Communication is assessed in questions marked with an asterisk (*).
- This document consists of **12** pages. Any blank pages are indicated.

1 Fig. 1 and Fig. 2 show two types of interface that allow a user to access a computer system.



Fig. 1

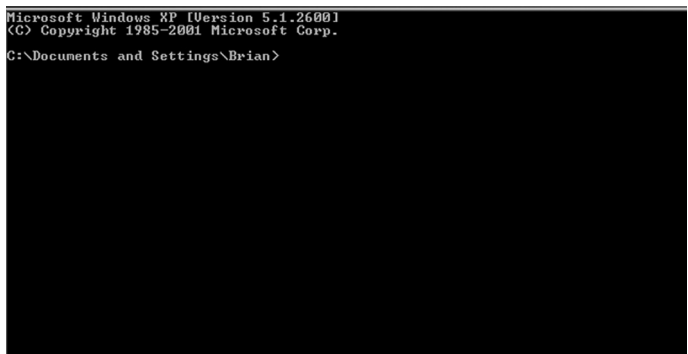


Fig. 2

(a) Identify the types of interfaces shown.

Fig. 1 is a

Fig. 2 is a [2]

(b) State **two** advantages to the user of using the interface shown in Fig. 1.

1

2

(c) State **one** advantage to the user of using the interface shown in Fig. 2.

..... [1]

2 Fred develops computer games.

Explain how Fred could make use of each of the devices below.

(a) DVD re-writer

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

(b) Speakers

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

(c) Joystick

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

3 George has found and removed a virus on his computer. He does not want to allow any more viruses onto his computer. He has asked you for advice.

(a) Explain what a computer virus is.

.....
.....
.....
.....
.....
..... [3]

(b) Explain **three** methods he could use to try and make sure viruses do not get onto his computer.

1

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2

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3

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..... [6]

- 5 Fig. 3 shows the floor plan of a warehouse. Staff in the warehouse program a truck to move along the white track.

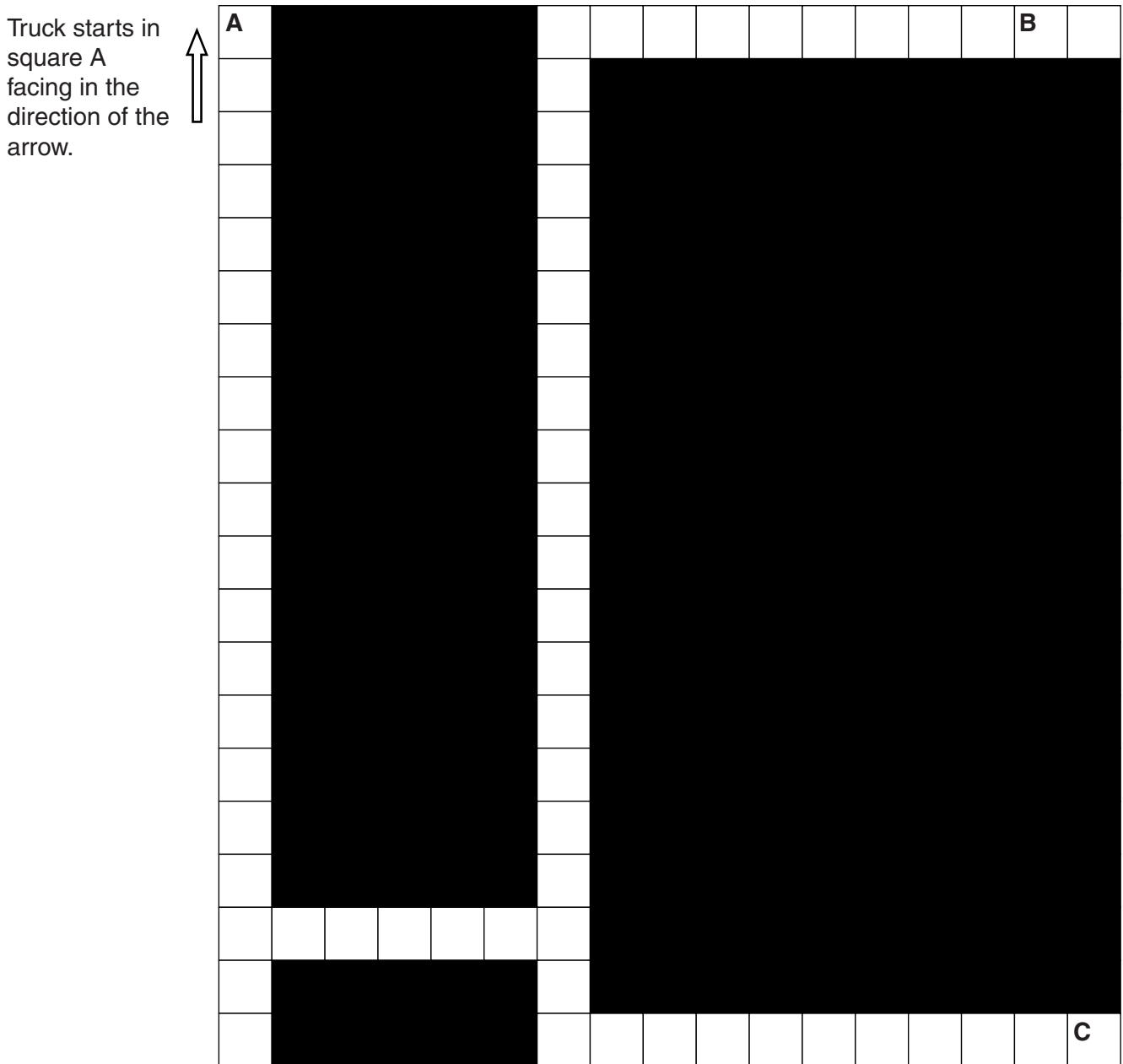


Fig. 3

Some of the instructions to control the truck are shown in the table below.

Instruction	Short version of instruction	Action taken
FORWARD (n)	FD (n)	Move forward by n squares
BACKWARD (n)	BK (n)	Move backward by n squares
LEFT (n)	LT (n)	Turn left by n degrees
RIGHT (n)	RT (n)	Turn right by n degrees
WAIT (n)	WT (n)	Wait for n minutes

(b) The truck is fitted with a number of sensors.

Identify **one** suitable sensor and give a reason for its use.

Sensor

Reason

.....

..... [2]

(c) Apart from motors to drive the wheels, the truck has other output devices.

Identify **two** different output devices that would be found on the truck and state a purpose for each.

1

Purpose

.....

2

Purpose

..... [4]

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