

FOR OFFICIAL USE

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C

0560/403

	KU	PS
Total Marks		

NATIONAL MONDAY, 12 MAY
QUALIFICATIONS 1.00 PM – 2.45 PM
2008

COMPUTING STUDIES
STANDARD GRADE
Credit Level

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Date of birth

Day Month Year

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Scottish candidate number

--	--	--	--	--	--	--	--	--	--

Number of seat

Read each question carefully.

Attempt **all** questions.

Write your answers in the space provided on the question paper.

Write as neatly as possible.

Answer in sentences wherever possible.

Before leaving the examination room you must give this book to the invigilator. If you do not, you may lose all the marks for this paper.



-
- A black and white line drawing of a two-story building. The building has a gabled roof with two dormer windows, each with an arched top. The second floor features a central arched window and two side windows. The first floor has a large central entrance with a dark awning and two large bay windows on either side. The text "Blue Gables" is written in a bold, serif font across the front of the building.

(a) Name the process that is described above.

10

- State an example of a mistake that would be picked up by each of these proofing tools.

Spell Checker _____

Grammar Checker _____

2
1
0

- (i) State a suitable application package for her to use and explain your choice.

Suitable Package _____

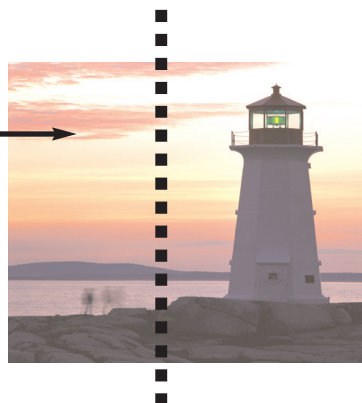
Explanation _____

20

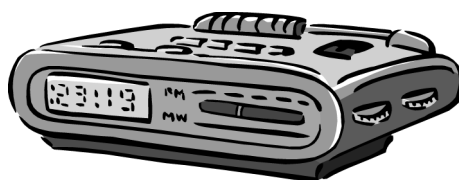
(ii) She includes the logo from the Tourist Information Web site on her poster.

Calculate the storage requirement of this graphic in **kilobytes**. Show all your working.

She wants to remove part of the picture as shown below.



- Management is currently considering automating the entire process so they employ a *systems analyst*.



1 _____

2 _____

1 _____

2 _____

State **two** ways in which they differ.

1 _____

2 _____

2
1
0

2
1
0

2
1
0

(d) The digital alarm clocks let you wake up to music playing from an audio CD. The clocks contain a *Digital $\longrightarrow$ Analogue converter*.

(i) What is an embedded system?

[Turn over

- His Computing teacher has asked him to research *mobile Internet technologies* and produce a report.

What is a search engine?

(i) State a *complex* search that he could use in this situation.

3. (continued)

- (d) He decides to word process his report and then *e-mail* it to his teacher as an *attachment*.

Mohammad realises that he should save his report using a *standard file format*.

- (i) State **two** suitable text formats that he could use.

1 _____

2 _____

2
1
0

- (ii) Explain why he should use a standard file format.

1
0

- (e) As well as saving a copy of his report on the *hard disk*, he also saves it on his *USB flash drive*.

State **two** reasons why USB flash drives have become so popular.

1 _____

2 _____

2
1
0

- (f) Mohammad could also have stored a copy of his report on a CD-RW.

What do the letters CD-RW stand for?

2
1
0

[Turn over

- The college has recently bought a new printer for Rachel.



- 10

- 10

- 10

- 10

- 10



-

-

- 1 _____
- _____
- _____

2 _____

Complete the table below.

Process	Meaning	Example
validation		Range Check
verification	Making sure that the data is entered correctly	

-

- ☐ Yes ☐ No Tick (✓) **one** box.

-

Page eleven

6. All the best young athletes in the country have been encouraged to attend a special training camp. They will each have three attempts to impress the coaches at their chosen event.

A target is set for each event. To represent their country, the athletes must achieve the target.

Below is part of a spreadsheet set up for the 100 metres sprint.

	A	B	C	D	E	F
1	100 metres sprint					
2						
3	Under 16 Boys			Target Time (secs)	12.8	
4						
5	Name	Race 1	Race 2	Race 3	Best Time	Represent Country?
6	R Gracie	12.8	12.9	13.2	12.8	Yes
7	L MacAra	13.1	12.9	12.9	12.9	No
8	H Hunt	12.9	12.9	12.8	12.8	Yes
9	M Dykes	12.9	12.6	12.6	12.6	Yes
10	L Fraser	13.0	13.0	13.0	13.0	No

- (a) State the formula that will be used to calculate R Gracie's best time in cell E6.

- (b) The formula in cell E6 is copied into cells E7 to E10.

- (i) State the type of *referencing* used. Explain your answer.

Type _____

Explanation _____

- (ii) State another word for "copied" when referring to spreadsheets.

2
1
0

2
1
0

1
0

6. (continued)

- (c) State the type of formula contained in cell F6.

1
0

- (d) At the training camp, they are shown a multimedia presentation about the importance of keeping fit.

The presentation includes both *audio* and *video* elements.

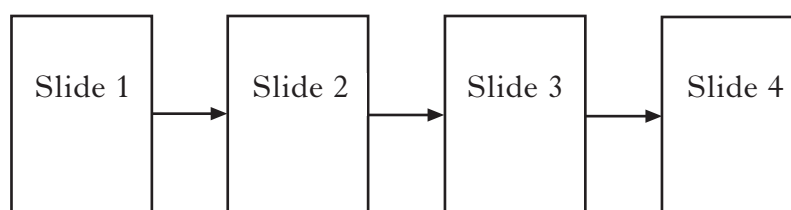
State **two** ways that audio can be added to the presentation.

1

2

2
1
0

- (e) The slides in this presentation are linked as shown below.



- (i) State the type of linkage used above.

1
0

- (ii) Describe a way in which Slide 1 could directly link to Slide 3.

1
0

[Turn over

(f) At the end of the training camp all athletes are given a copy of the presentation on DVD.

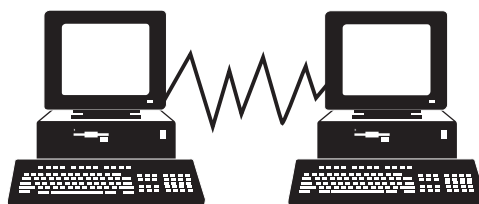
2 _____

Name this type of package.

2
1
0

10

- The computers are linked together to form a *Local Area Network* (LAN).



- 10

- 10

-

- 2 _____

- 10

- 10

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