

FOR OFFICIAL USE

Presenting Centre No.	Subject No.	Level	Paper No.	Group No.	Marker's No.
	0560				

G

perfectpapers

Total Marks	KU	PS
	36	36

[CS(SG)08G]

NATIONAL
QUALIFICATIONS

Time: 1 Hour 15 minutes

COMPUTING STUDIES
STANDARD GRADE
General Level

Estimate Examination Paper

Fill in these boxes and read what is printed below.

Full name of school or college

Town

First name and initials

Surname

Date of birth

Day Month Year

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Read each question carefully

Attempt **all** questions.

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

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.

1.
cont

(d) While Ryan is using his database, is it being stored in RAM or ROM?

(e) Ryan uses his printer to obtain a hard copy of his database. List **two** running costs of his printer.

1. _____

2. _____

(f) To keep his data safe, Ryan decides to make a *backup*. Choose a suitable *backing storage* medium from the list for Ryan to use and explain why you have chosen it.

CD-ROM

USB Flash Drive

Hard Drive

Magnetic Tape

Medium: _____

Reason: _____

(g) Pick **one** backing storage medium from the list above and explain why it would not be suitable for Ryan to use to back up his database.

Medium: _____

Reason: _____

[Turn over

KU	PS
1 0	
2 1 0	2 1 0
	2 1 0

2. Eilidh is a secretary for Cairnballoch Cars. She has been asked to prepare a letter to be sent out to customers notifying them that their vehicles are due to be booked in for a service.

(a) As the customer letters contain similar information, she uses *standard paragraphs* to help her prepare the letters. What is a standard paragraph?

(b) Eilidh has used the *spell check* feature of her word processor. Explain how a spell checker works.

(c) Text entered into the word processor will automatically flow from one line to the next. Name the function of the word processor that does this.

(d) Eilidh has finished typing the letter. Print preview shows that it is more than one page long. State **one** way in which the letter could be made to fit on one page.

(e) The word processor used by Eilidh is part of an *integrated package* rather than a stand-alone application. State **two** benefits for Eilidh of using an integrated package over a stand-alone package.

1.

2.

KU	PS
2	
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0	
3	
2	
1	
0	
1	
0	
	1
	0
	2
	1
	0

2.
cont

(f) Help for the integrated package is available in two forms – *online help* and *online tutorials*.

(i) Describe online help.

(ii) Describe online tutorials.

(g) Cairnballoch Cars have decided that in future, all customer enquiries and bills will be dealt with using *electronic mail* as well as by post.

Give **one** advantage for the company of communicating by electronic mail rather than by post.

(h) Email communication is normally conducted with *netiquette*.

(i) What is netiquette?


(ii) Why is it important that wherever possible, the staff of Cairnballoch Cars should try to ensure that they use netiquette?

[Turn over

KU	PS
1 0	
1 0	
	1 0
1 0	
	1 0

3. Stephanie has bought a new computer. The specifications are as follows:

**ByteStar 500
Desktop Computer**



- 3 GHZ Processor
- 1 Gb Main Memory
- 500 Gb Hard Disc Drive
- 19" TFT Monitor
- CD-ROM Drive
- Inkjet Printer / Laser Printer

(a) What does TFT stand for?

T _____ F _____ T _____

(b) Stephanie's computer can be described as an *interactive* system. What is an interactive system?

(c) Stephanie has the choice of buying an *inkjet* or *laser* printer.

(i) Give **one** advantage of choosing the inkjet printer.

(ii) Give **one** advantage of choosing the laser printer.

KU	PS
2 1 0	
1 0	
	1 0
	1 0

3.
cont

(d) Stephanie is given the option of upgrading the CD-ROM drive to a CD-R drive.

(i) What does CD-R stand for?

C _____ D _____ R _____

(ii) State **one** difference between CD-ROM and CD-R?

(e) Stephanie wishes to connect her new computer to the Internet. What piece of hardware does she need to be able to do this?

(f) Stephanie has a large collection of old family photographs. State an input device she could use to transfer these photographs into the computer for editing.

[Turn over

KU	PS
1 0	
1 0	
1 0	
1 0	

4. Houghton Holidays is a travel agency. They have several staff working in an office in Inverloch.

(a) The computers in the office are connected together using a *LAN*.

(i) State **one** advantage of connecting the computers using a network.

(ii) Houghton Holidays are to open a new office in Stoneybridge, several miles from their original office. They now are connected using a *Wide Area Network (WAN)*.

State **two** differences between a WAN and a LAN.

1. _____

2. _____

(b) Some of their computers are in the front office, which is accessible to members of the public. Describe **two** ways in which they can protect the information stored on their computers from unauthorised access.

1. _____

2. _____

KU	PS
1 0	
2 1 0	
	2 1 0

4. cont

(c) Another travel agency in the area, Fly-By-Night, has suggested that they should share their customers personal information with each other. Should Haughton Holidays do this?

Explain your answer.

(d) A new Internet connection for the company is required. Should they choose a *dial-up* or *broadband* connection?

State **two** reasons for the choice of internet connection that you made in the question above

1.

2.

[Turn over

KU	PS
	1 0
	1 0
	2 1 0

5. Smart Pixels is a video games store. Sam the manager has a spreadsheet which helps him calculate wages for his employees:

	A	B	C	D
1	Smart Pixels Wage Sheet			
2				
3	Employee Name	Hours Worked	Rate of Pay	Weekly Pay
4	Dick Nasty	12	5	60
5	Joe Clean	10	5	50
6	Pete Shifty	35	6.5	227.5
7	Ron Cheese	35	6.5	227.5
8				
9				£ 50.00
10				£ 227.50
11				£ 141.25
12	Total Wage Bill			£ 565.00
13				

- (a) Cell **D4** contains a formula. What is the formula?
-
- (b) Sam would like to display the contents of cell **C4** to **D7** in the same way as has been done in cell **D12**. What has been done to cell **D12**?
-
- (c) State **two** ways in which the format of cell **A3** is different from cell **A4**?
1. _____
 2. _____
- (d) The formula in cell **D4** has been *replicated*. Explain what the term replicated means.
-
- (e) Pete Shifty has access to the computer which contains the wages spreadsheet. How could Pete be stopped from changing the formula in a cell accidentally?
-

KU	PS
	1 0
	1 0
	2 1 0
1 0	
	1 0

5. cont (f) Sam has forgotten to put text labels into cells C9, C10, and C11. Suggest labels for these three cells

C9: _____

C10: _____

C11: _____

(g) Why might Sam wish to create a chart from the figures on the spreadsheet?

(h) Sam's computer uses a *Graphical User Interface*. State **two** ways in which Sam is able to change the Graphical User Interface.

1. _____

2. _____

[Turn over

K	PS
	3
	2
	1
	0
1	
0	
2	
1	
0	

6. Duncan & Sons is a large department store which sells a variety of items.

(a) The store computer systems deal with both *data* and *information*. Explain what is meant by these two terms.

Data _____

Information _____

(b) All goods sold by Duncan & Sons have a *barcode* on the packaging. Every bar code contains a check digit. What is the purpose of a check digit?

(c) The price of an item has changed. Does this mean that the barcode on the product must also change?

 Explain your answer

(d) Shaun pays for his purchases electronically using the stores *POS* system. What does POS stand for?

P _____ **O** _____ **S** _____

(e) Another customer pays for his purchases by cheque. The cheque has a number printed on it for use by the bank in an *MICR* system.

(i) What does MICR stand for?

M _____ **I** _____ **C** _____ **R** _____

KU	PS
1 0	
1 0	
1 0	
	1 0
	2 1 0
1 0	
2 1 0	

