

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)07G]

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. A PE department is doing time trials for the 100m. Part of the spreadsheet is shown below.

	A	B	C	D	E
1	Name	Trial 1	Trial 2	Average	Best Time
2	John Brown	12.3	13.21		
3	Adam Ritchie	13.65	13.55		
4	Mark Walker	12.2	14.5		
5	Sam Innes	11.95	12		
6	Bill West	13.61	12.45		

(a) Cell D2 contains the average trial time for John Brown. Fill in the space below with the function and cell reference for this average calculation.

= _____ (_____ : _____)

(b) The formula is *replicated* in column D. Explain what is meant by the term replicated?

(c) After the trial times were entered the teacher wanted to ensure that they could not be deleted or altered by mistake. What is the name given to the feature that would prevent this?

(d) All the times shown should have 2 decimal places. Explain clearly how this could be done using a package with which you are familiar.

(e) In column E the teacher wants to show their best time over the two trials. Fill in the space below with the function and cell reference in the appropriate place for cell E4.

= _____ (_____ : _____)

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

1. cont

(f) (i) The teacher wants to take a backup copy of the spreadsheet. Suggest a suitable backing storage medium.

(ii) Give a reason for your answer.

(g) The teacher wants a printout of the names and the times for trial 1 only. Explain how this would be done.

KU	PS
	1 0
	1 0
	2 1 0

[Turn over

2. Below is part of a delivery schedule that a delivery courier can access using their PC. The courier uses this to plan his delivery route for the day.

Delivery No	Delivery Address	Date of Delivery	Time of Delivery	Delivery Instructions
053	129 St. Thom Street Aberdeen AB11 4UF	03/02	am	Leave in garage
123	2 Croft Road Aberdeenshire AB52 6UL	03/02	pm	Leave with neighbour
069	3 High Street Aberdeen AB26 5PS	03/02	pm	Hand in at home address only
104	12 Millbank Lane Aberdeen AB11 5XL	03/02	am	Hand in at home address or Leave with neighbour

(a) Three different *field types* have been used in this database. One is *text*. Name the other two.

1. _____

2. _____

(b) The courier would like to find for all the morning deliveries in postcode area AB11. Choose from the words below to complete the following sentence.

AND 03/02 am contains

Time of Delivery Search Delivery Address Date of Delivery

_____ on the field _____ for _____

_____ on the field _____ AB11.

KU	PS
	2
	1
	0
	6
	5
	4
	3
	2
	1
	0

2.
cont

(c) The courier would prefer to have the information displayed in order of postcode. How would the record format need to be altered to allow this?

(d) Head office can alter any of the information but the courier cannot change anything. Explain how this is possible.

(e) The courier currently uses a dial up connection to find the information but finds that it is very slow. Suggest a more suitable type of connection.

(f) (i) An individual has been accused of *hacking*. Explain what is meant by the term hacking.

(ii) Do you always have a right to see personal data held about you? Explain your answer.

KU	PS
	10
	210
10	
10	
10	

[Turn over

3. (a) High level languages are used to write programs. A *translator* program is needed to convert it into machine code.
- (i) Explain why a high level language must be converted into machine code.
- _____
- (ii) Why would a programmer choose to use a high level language rather than machine code to write a program?
- _____
- (b) There are two types of files – *data files* and *program files*. Explain what is meant by a data file and a program file.
- data file _____
- _____
- program file _____
- _____
- (c) Complete the sentences below using the correct words from the following list, stating how whole numbers and text are stored in memory.
- storage locations decimal ASCII*
- binary digits integers*
1. Whole numbers are stored as _____
2. Text is stored using _____
- (d) When deciding which type of printer to buy a number of factors need to be taken into account. One of these factors is the cost of the printer. State **two** other factors that should be considered.
1. _____
2. _____

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

3.

cont (e)

(i) State **two** differences between a CD-Recordable and a CD-Rewritable disk.

(ii) State a situation where a CD-Recordable disk could be used.

(iii) State a situation where a CD-Rewritable disk could be used.

KU	PS
2	
1	
0	
	1
	0
	1
	0

[Turn over

4. A company specialises in organising weddings.

(a) They have information on a number of hotels stored as *standard paragraphs*.
What is meant by a standard paragraph?

(b) A document is to be sent to one set of clients confirming all the details for their big day. Unfortunately the name of the hotel – Pitmedden Hotel has been typed as Pitmoodle Hotel several times in the document.
It is possible to change the name throughout the document in **one** operation.

(i) Name the feature which would enable this to be done.

(ii) Describe how this feature could be used in this example.

(c) The document is checked before being sent to the clients using a *spelling checker*.

(i) Explain how a spell checker can be used to find and correct errors.

(ii) State **one** example of a word that would be highlighted by a spelling checker even though it is spelt correctly.

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

4. cont (d) The first word in the sentence below has been typed as “their” and should have been “there”. This has been shown as an error on the document.

“Their will be champagne served on arrival”

Which feature of the word processing package has detected this error?

(e) A *table* has been used to create a leaflet showing information on the different cars available and showing a picture of each car alongside it. State **one** advantage of using a table to display the information.

(f) The company often sends required information to clients using *electronic mail*.

(i) State **two** advantages of using electronic mail rather than the traditional postal service.

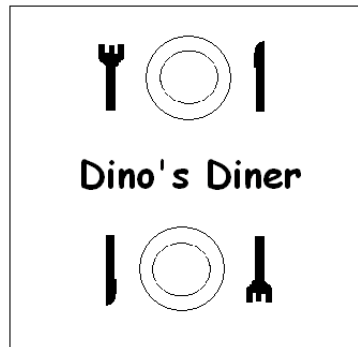
(ii) State **one** disadvantage of using electronic-mail.

(g) When people use E-mail they are expected to use the appropriate *netiquette*. What is meant by netiquette?

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

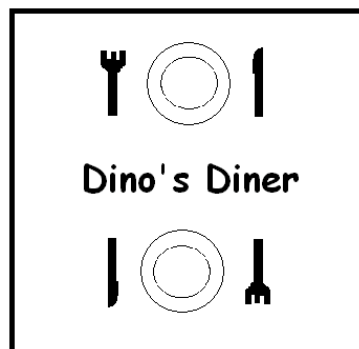
[Turn over

5. (a) Dino's Diner has the following logo.



The knife, fork and plate at the top of the logo has been copied and pasted at the bottom. What other operation has been carried out to produce this logo?

- (b) They have decided to change the logo to look like the following.



What change has been made to the logo?

- (c) They wish to place the logo into a promotional leaflet but it doesn't fit. What can they do to solve this problem?

KU	PS
	1 0
	1 0
	1 0

5.
cont

(d) Dino's Diner uses a *LAN* to connect its tills to a central computer rather than a *WAN*.

(i) What does the initials LAN stand for?

L _____ A _____ N _____

(ii) What does the initials WAN stand for?

W _____ A _____ N _____

(iii) State **two** differences between a LAN and a WAN.

1. _____

2. _____

KU	PS
1 0	
1 0	
1 0	
1 0	

[Turn over

6. James noticed a number of job vacancies in the computing section of the local newspaper. One was for a *Systems Analyst*, another was for a *Network Manager* and some were for *Programmers*.

(a) State **two** tasks associated with a Systems Analyst.

1.

2.

State **two** tasks associated with a Network Manager.

1.

2.

State **two** tasks associated with a Programmer.

1.

2.

(b) Adverts placed in the paper can be paid for using *EFT*.

(i) What does EFT stand for?

E _____ F _____ T _____

(ii) State **one** advantage to the customer of using EFT.

(iii) State **one** advantage to the newspaper company of using EFT.

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

6. cont (c) The newspaper company has to consider the running costs of the computer system. State **two** possible running costs of the computer system.

(d) The newspaper company sells lists of customers and company details who place adverts in their paper to other companies. Explain why other companies would pay for these lists.

KU	PS
	2 1 0
	1 0

[END OF QUESTION PAPER]