

**NDTEF/LONDON EXAMINATIONS**

Information Technology  
GCSE 2708

Exam Paper

Full Course  
(Foundation Tier)

2001

**Question 1**

Jason is part of a team working on the launch of a new product, Clean N' Gleam.  
He has to produce a leaflet to advertise the new product.

**1(a)** State the best **type** of software to use for producing the leaflet.

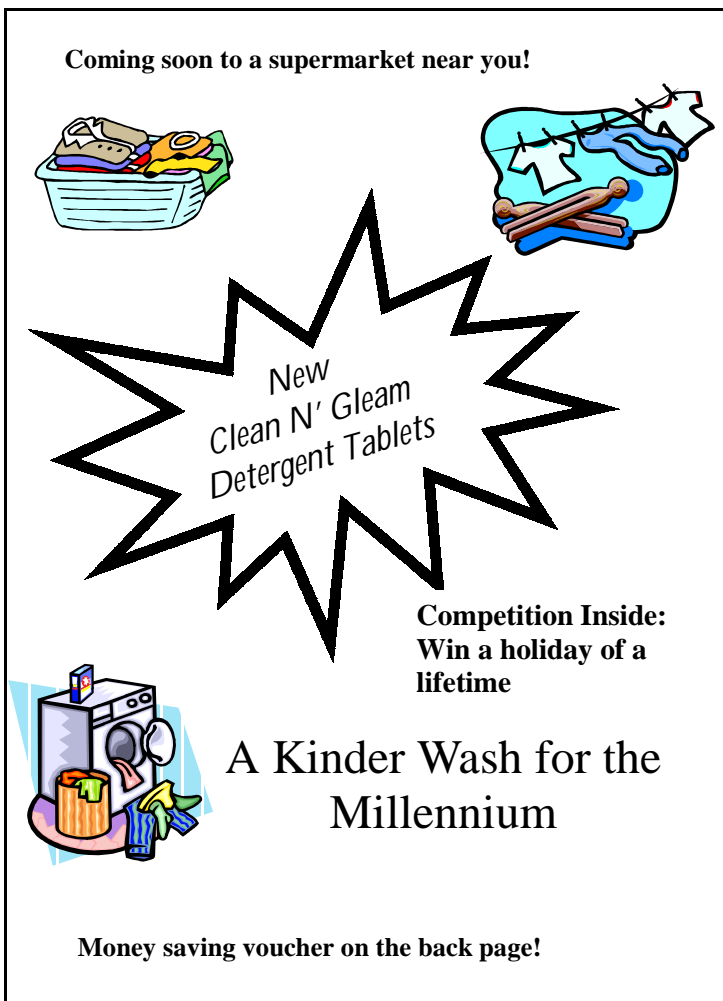
**(1)**

.....

Below is part of the leaflet Jason created.

**1(b)** Draw lines from the list on the right-hand side to link to the appropriate features on the leaflet.

**(6)**



Rotated Text

Centred Text

Left Aligned Text

Clipart

Outline Shape

Italic Text

Jason used a digital camera to take pictures, which he then used in the leaflet.

Leave  
blank

1(c) Put the following operations into the correct order to place a photographic image into the leaflet.

(5)

- A Choose the file name of the saved image to insert into the document
- B Click on *insert image from file*
- C Transfer the image from the camera into the computer
- D Take an image with a digital camera
- E Connect the camera via an interface to the computer
- F Re-size and position the image on the page
- G Save the image with an appropriate file name
- H Load the document into which the image is to be inserted

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1(d) Give **THREE** advantages of a digital camera compared with an ordinary camera that uses film.

(6)

Advantage 1.....

.....

Advantage 2.....

.....

Advantage 3.....

.....

Leave blank

There is not enough space on the leaflet for the image.  
Jason decides to *crop* the image.

**1(e)** Describe what is meant by the term *crop*. (2)

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Jason also has to produce big posters for displays.  
The printer he uses only prints on A4 paper so he uses a *Tile Print* option to produce these posters.

**1(f)** Explain how *Tile Print* will allow Jason to produce posters larger than A4 size. (3)

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The text on the poster uses more than one *font*.

**1(g)(i)** Describe what is meant by a *font*. (2)

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**1(g)(ii)** Give **ONE** example of how changing the *font size* might improve the appearance of the text. (2)

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(Total 27 marks)

Q1	

**Question 2**

*Leave blank*

Jason uses a computer system with the following specifications.

Pentium III 500MHz or AMD K6-2  
256Mb RAM  
17 inch SVGA (high resolution) monitor  
Writable 32 speed CD drive  
17Gb hard drive  
56K modem  
DVD drive  
16Mb graphics card  
64 bit sound card

**2(a)** Tick the box that **best** fits to complete each of the following statements.

**(3)**

- |            |  |                            |                          |
|------------|--|----------------------------|--------------------------|
| <b>i</b>   | A <i>high resolution</i> monitor will have | a flat screen              | <input type="checkbox"/> |
|            |  | sharper pictures           | <input type="checkbox"/> |
|            |  | more colours               | <input type="checkbox"/> |
|            |  | bigger size                | <input type="checkbox"/> |
| <b>ii</b>  | 256Mb RAM is                               | a backing store            | <input type="checkbox"/> |
|            |  | the computer's main memory | <input type="checkbox"/> |
|            |  | the speed of the processor | <input type="checkbox"/> |
|            |  | a read only memory         | <input type="checkbox"/> |
| <b>iii</b> | The writable CD drive                      | lets you save onto CD      | <input type="checkbox"/> |
|            |  | has 32 different speeds    | <input type="checkbox"/> |
|            |  | is a read only memory      | <input type="checkbox"/> |
|            |  | will only play music files | <input type="checkbox"/> |

Jason uses the writable CD to send files to other people at work.

**2(b)** Give **ONE** benefit of using a writable CD over other forms of storage for this task.

**(2)**

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The writable CD drive is a WORM (Write Once, Read Many) device and can store 550 Mb of programs and data.

2(c)(i) Give **ONE** advantage of the WORM drive over a CD-ROM drive. (2)

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2(c)(ii) Describe how a floppy disk can be made *read only*. (2)

.....  
.....

2(c)(iii) Describe what is meant by the words *read* and *write* when describing memory devices. (4)

Read.....  
.....

Write.....  
.....

2(c)(iv) Fill in the missing words from the list below. (2)

- Program      Data      Memory      Lock      Password      Attribute**

A \_\_\_\_\_ is a set of instructions to perform a specific task.  
\_\_\_\_\_ is the name given to the text or numbers processed by these instructions.

*Leave blank*

Jason has decided to replace his existing telephone line with an ISDN line.

**2(d)(i)** State why Jason no longer needs a modem. **(2)**

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**2(d)(ii)** Describe **ONE** other advantage of an ISDN line. **(2)**

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**Q2**

**(Total 19 marks)**

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### Question 3

Leave blank

Jason has to make sure that he keeps a record of the resources he uses.

Here is a list of the resources he is claiming for the month of June.

		£	
A4 Paper (ream)	10	1.60	per ream
Black Printer Ink Cartridge	3	9.50	each
Colour Printer Ink Cartridge	2	13.90	each
Telephone calls (unit)	120	0.10	per unit
Internet Access (unit)	250	0.05	per unit

- ◆ Enter the data above into the grid below
- ◆ Enter labels for cells D1 and C10
- ◆ Show the formula required in cell D7  
(no marks will be awarded for calculations made)
- ◆ Indicate where the fill function should have been used.

(8)

	A	B	C	D
1	Item	Cost per Item	No of Items	
2	A4 Paper (ream)			B2*C2
3	Black Printer Ink Cartridge			B3*C3
4	Colour Printer Ink Cartridge			B4*C4
5	Telephone Calls (per unit)			B5*C5
6	Internet Access (per unit)			B6*C6
7			Total Cost (ex VAT)	
8				
9			Rate of VAT	17.5
10				D7+D7*D9/100

Q3

(Total 8 marks)

**Question 4**

Jason works three days in the office and two days at home each week.  
He has a similar computer system at home to the one in the office.

**4(a)(i)** Describe **TWO advantages to his employer** of Jason working at home. **(4)**

Advantage 1.....  
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.....  
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Advantage 2.....  
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**4(a)(ii)** Describe **TWO disadvantages to Jason** of working at home. **(4)**

Disadvantage 1.....  
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.....  
.....

Disadvantage 2.....  
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*Leave  
blank*

Jason keeps in touch with his office through the Internet.  
He is able to send and receive work files and get information from a bulletin board for the staff.  
This ability to pass work across the Internet causes security worries as there are secret projects they do not want competitors to see.

**4(b)** Explain how the following methods could help maintain security of the data. **(9)**

**(i)** Passwords:.....  
.....  
.....  
.....

**(ii)** Firewall:.....  
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**(iii)** Encryption:.....  
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<b>Q4</b>	

**(Total 17 marks)**

**Question 5**

Faye is in charge of a team organising a competition to draw a logo for Clean N' Gleam, with a holiday as the prize.

This competition will be advertised on TV, in the newspapers and on the Internet.

The chosen logo will be used in all Clean N' Gleam adverts in the launch of the product.

Competitors will be able to enter the competition by post or electronic mail.

**5(a)** Give **FIVE** items of information the team have to **give to** people entering the competition.

**(5)**

**i.**.....

**ii.**.....

**iii.**.....

**iv.**.....

**v.**.....

**5(b)** Give **THREE** items of information the team have to **receive from** people entering the competition.

**(3)**

**i.**.....

**ii.**.....

**iii.**.....

*Leave blank*

Faye uses Project Management Software to organise the competition.

**5(c)** Describe **TWO** useful things that Project Management Software can do to help Faye. **(4)**

**i.** .....

.....

**ii.** .....

.....

Faye has to produce a presentation for the manufacturers of Clean N' Gleam to keep them informed about the competition.

She has to inform them about the different things she needs to do.

Faye uses a storyboard to plan the presentation.

**5(d)** Describe why a storyboard is used to plan presentations. **(2)**

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The presentation software allows Faye to set up the text so that during the presentation the next bullet point appears each time the mouse is clicked.

**5(e)** Describe how this might help Faye when she is making her presentation. **(2)**

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**(Total 16 marks)**

<b>Q5</b>	

**Question 6**

Fred has decided to enter the Clean N' Glean logo competition.

The software he uses has a number of tools to help him draw.

**6(a)** Describe how the following tools can be used in drawing.  
(*You may illustrate your answers with sketches.*)

**(10)**

Autoshape:

Rotate:

Grid:

Fill:

Re-scale:

Fred wants to send his finished drawing on a floppy disk to enter the competition.

*Leave  
blank*

**6(b)** Explain why it is important that Fred should consider the format of the file. **(2)**

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<b>Q6</b>	

**(Total 12 marks)**

**Question 7**

Faye has been asked to evaluate some new drawing software the company is thinking of buying for the business.

**7(a)** Write down **THREE** questions she could use to evaluate the software.

**(6)**

Question 1.....

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Question 2.....

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Question 3.....

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Faye really likes this software and wants to use it for all new drawing work done by the team organising the competition.

She needs to consider the reaction of the team to changing over to the new software.

**7(b)(i)** Describe **THREE** concerns the team may have about this change.

**(6)**

Concern 1.....

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.....  
.....

Concern 2.....

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.....  
.....

Concern 3.....

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7(b)(ii) Give **TWO** points Faye could use to convince the team that the change to the new software would be a good thing.

(4)

Point 1.....  
.....  
.....  
.....

Point 2.....  
.....  
.....  
.....

The team decide to use the new software.  
This is very expensive, as the company buys a copy for every member of the team.

7(c) Explain why the company should not buy just one copy and install it onto all the computers.

(3)

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(Total 19 marks)

Q7

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**Question 8**

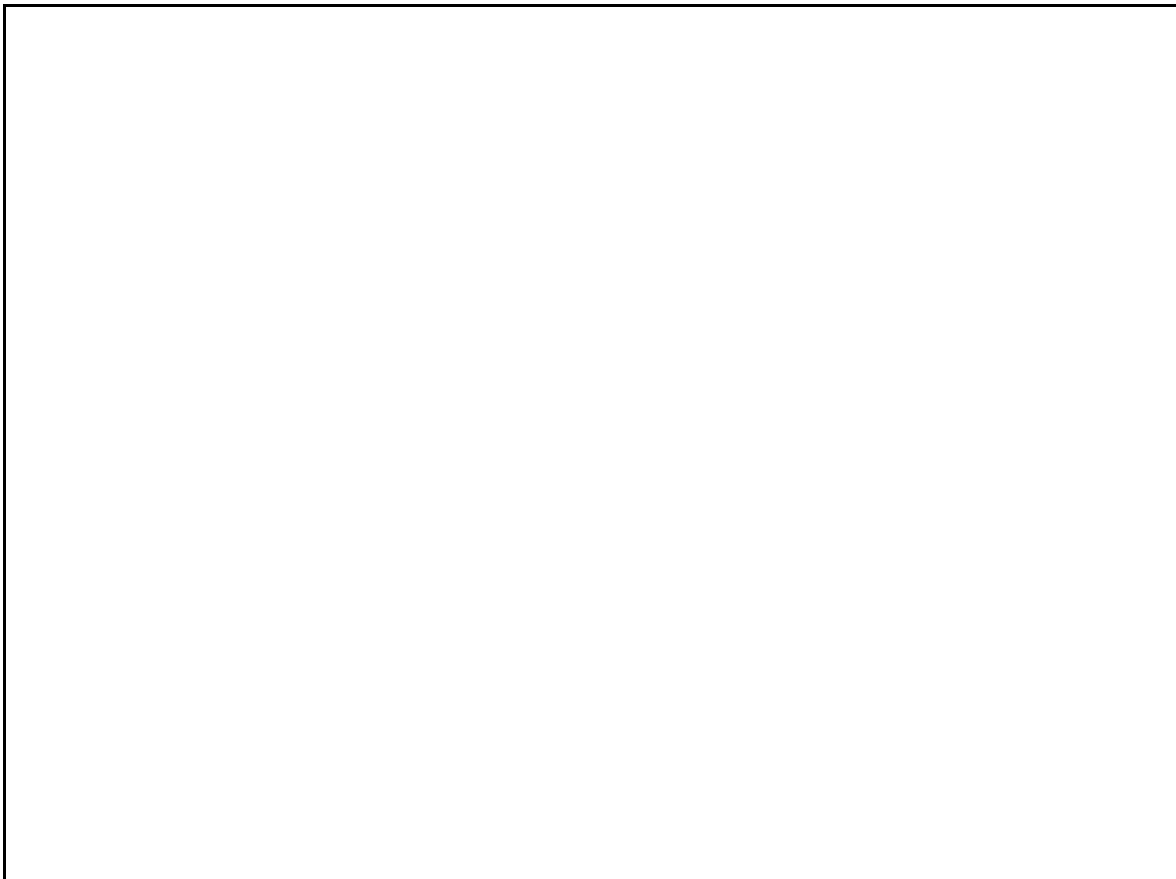
*Leave  
blank*

Faye has to produce a web site for the competition.

**8(a)** Using the boxes below, complete the design for **TWO** pages for the web site:

- ◆ a home page (8 marks)
- ◆ a competition entry page (8 marks)

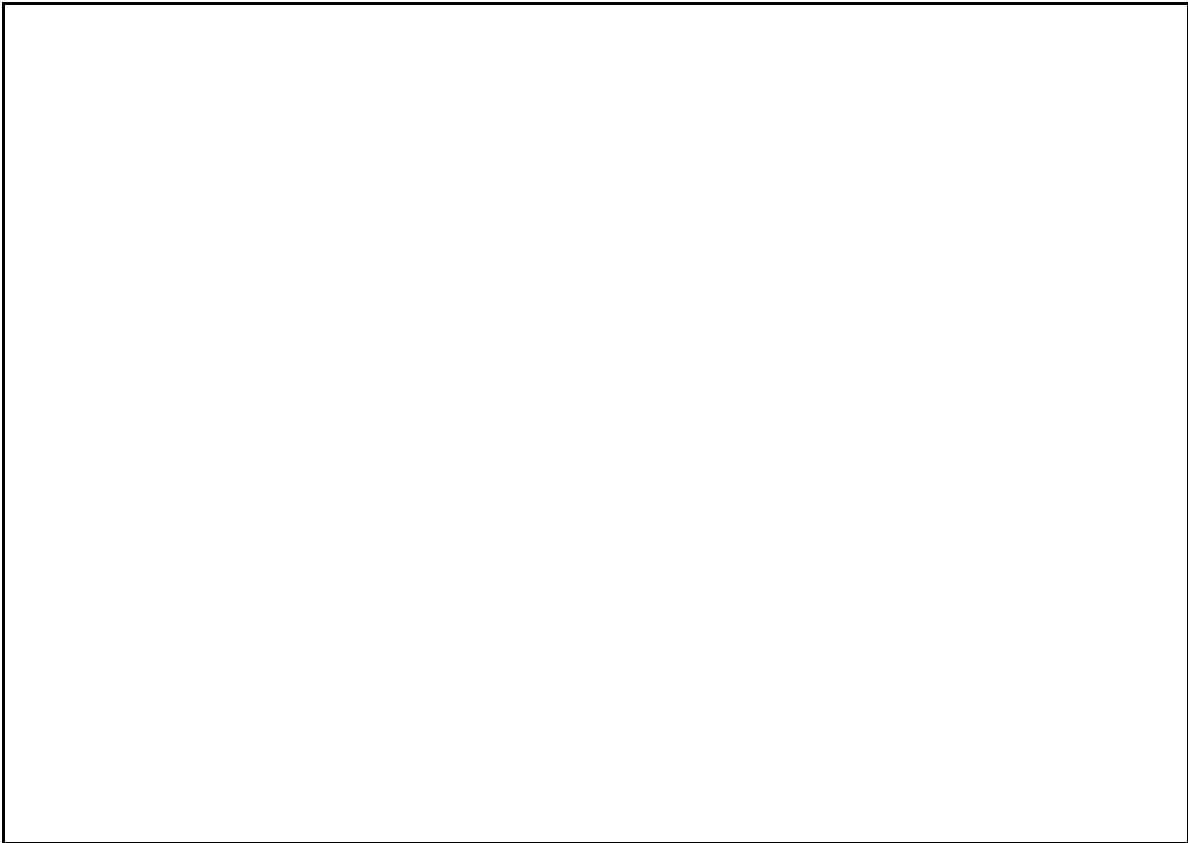
Indicate any facilities you would use to make the site interesting and show how visitors would jump from one page to another.



Home Page

**(8)**

*Leave  
blank*



Competition Entry Page

**(8)**

Web Pages can be made more interesting by using sound, or video clips.

**8(b)** Give **ONE** reason why it may **not** be a good idea to use sound on a web page.

**(2)**

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**Q8**

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**(Total 18 marks)**

**TOTAL FOR PAPER: 136 MARKS**

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