

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

INFORMATION AND COMMUNICATION
TECHNOLOGY

2377/02

GCSE

UNIT 1 HIGHER TIER

Wednesday

22 JANUARY 2003

Morning

1 hour

Additional materials:

Answer sheet (MS4)

To be brought by candidate:

eraser

HB pencil

TIME 1 hour

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.

Write your name, Centre number and candidate number on the answer sheet in the spaces provided unless this has already been done for you.

There are **forty** questions in this paper. Attempt as many questions as possible. For each question there are four possible answers, **A**, **B**, **C** and **D**. Choose the **one** you consider correct and record your choice in **soft pencil** on the separate answer sheet.

Read very carefully the instructions on the answer sheet.

INFORMATION FOR CANDIDATES

Each correct answer will score one mark. A mark will not be deducted for a wrong answer.

Questions 1 to 8 are about this article.

What's on in the West Country?

1 February 2003

The great news is that Somerset, Dorset, Devon and Cornwall have once again booked stars of international repute to visit our local theatres. There is something for everyone. For the trendsetters among you there are Dido, Kylie Minogue and Elton John. For the more serious minded there is the Moscow State Ballet with Swan Lake and Coppelia showing in Bristol and Bath – so book early for these.



We will also be welcoming back the Country and Western singers – The Mojós. To quote Tim, their lead singer:

"This is my favourite part of England. The people is friendly. The food is great and they make the best cider in the world".

So book early and take advantage

BOOKINGS CLOSE – 5 FEBRUARY!!!

SPECIAL OFFERS

- Half price Mondays
- Under 16s 20% Discount
- Pensioners 10% Discount
- Any 5 concerts 50% off

Theatre	Concert	Price	Date
Octagon	Swan Lake	12.50	3 Mar
Players	Coppelia	12.50	7 Mar
Old Hall	La Traviata	15.00	15 Mar
Palace	Dido	15.50	1 Apr
Old Hall	The Mojós	16.50	7 Apr
Old Hall	Elton John	19.50	9 Apr
Players	Kylie	16.50	11 Apr
Palace	Tosca	12.50	22 Apr
Old Hall	Annie	8.50	27 Apr
Players	Calling Tim	17.50	3 May
Octagon	Cats	19.50	6 May
Palace	Pied Piper	12.50	9 May

1 Who is appearing in concert at the Old Hall on 9 April?

- A Dido
- B Annie
- C The Mojós
- D Elton John

2 The image in the article is positioned with text around it by using

- A text wrap
- B resizing
- C cropping
- D headers and footers

- 3 The word 'is' at R should be 'are'. This error can be found automatically by software using
- A a grammar-checker
 - B a spell-checker
 - C print preview
 - D proof-reading
- 4 The paragraph at T has been positioned using a
- A right tab
 - B left indent
 - C hanging indent
 - D first line indent
- 5 The text at S has been overlaid using a
- A row
 - B cell
 - C form
 - D text box
- 6 The information at Q is shaded to
- A make it stand out
 - B improve the layout
 - C show it is not important
 - D fit in all the information
- 7 The list at P has inconsistent
- A numbering
 - B line spacing
 - C bullet characters
 - D tab settings
- 8 The article uses two columns. The text at Q could be positioned using
- A two left tabs
 - B three left tabs
 - C three right tabs
 - D two right tabs

Questions 9 to 15 are about this database.

Last Name	First Name	Patient Number	Male/Female	Date of Birth	Blood Group	Doctor
Bowler	Ann	CQNA131	F	04/01/52	O	Jones
Brazier	Ben	CPNA711	M	14/07/52	AB	Jones
Dowty	Samuel	DQNA620	M	23/06/66	AB	Simmonds
Graham	Charlotte	LQNA239	F	19/03/85	O	Jones
Graham	David	LQPA337	M	27/12/88	A	Jones
Morar	Ann	DQNA318	F	31/01/52	B	Singh
Riso	Maria	CPPA711	F	15/04/51	AB	Singh
Tiler	Felix	LPLL834	M	11/09/74	B	Jones
Tiler	Michael	CPLD115	M	27/12/88	A	Simmonds

9 The last name of the patient born in 1952 with blood group AB is

- A Ben
- B Riso
- C Morar
- D Brazier

10 The search criteria to find all female patients who are not blood group O is

- A Male/Female <> "M" OR Blood Group = "O"
- B Male/Female = "F" AND Blood Group = "O"
- C Male/Female <> "M" OR Blood Group <> "O"
- D Male/Female = "F" AND Blood Group <> "O"

11 The criterion to find all the patients born before 1960 is

- A Date of Birth < 01/01/60
- B Date of Birth <= 01/01/60
- C Date of Birth >= 01/01/60
- D Date of Birth <> 01/01/60

12 The criteria to find all patients with blood group A or blood group AB is

- A Blood Group = "A" OR Blood Group = "AB"
- B Blood Group <= "AB" OR Blood Group = "A"
- C Blood Group = "A" AND Blood Group = "AB"
- D Blood Group > "O" AND Blood Group = "AB"

- 13 The only field suitable for use as the primary key is
- A Last Name
 - B First Name
 - C Patient Number
 - D Date of Birth
- 14 To list the database in A to Z order of doctors, showing their patients in age order with the oldest first, the user should sort
- A ascending on Doctor and then ascending on Date of Birth
 - B ascending on Doctor and then descending on Date of Birth
 - C descending on Doctor and then ascending on Date of Birth
 - D descending on Doctor and then descending on Date of Birth
- 15 If the database had postal addresses for each patient, a personalised letter could be produced automatically for all patients using
- A a search engine
 - B bookmarking
 - C merge cells
 - D mail merge

Questions 16 to 22 are about this web page.

Welcome to Plant List

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History

Address Go Links »

Buy a Rock Rose

Rock Roses or Sun Roses, as they are sometimes called, have been popular garden plants since the 17th century. By 1830 there was a collection in the Chelsea Physic Garden in London containing more than 70 varieties. The varieties of Rock Roses listed here are all dwarf evergreen shrubs.

They are usually about 25 centimetres in height although the more vigorous varieties may spread to cover an area of approximately 1 metre diameter.

They flower abundantly in a multitude of bold, brilliant colours throughout the summer and thrive best in free draining soil in full sun.

To order plants e-mail roger.tate@yahoo.com

Plant descriptions & prices

AFLICK rich copper orange with mid green leaves £14.50
AMY rich yellow with bright green leaves £9.00
ANNABEL pink, double, with olive green leaves £11.00
BUTTERCUP rich yellow, with mid green leaves £8.00
BEECH RED cherry red, with grey leaves £10.50
BEN ALDER rusty orange with strong green leaves £12.45
BEN DEARG carmine crimson with greyish-green leaves £13.00

© Garden Design

WEST OF ENGLAND FLOWER SHOW
ON SATURDAY MAY 10TH
AT BATH & WEST SHOWGROUND
for further details contact plantlist@bath-and-west.com

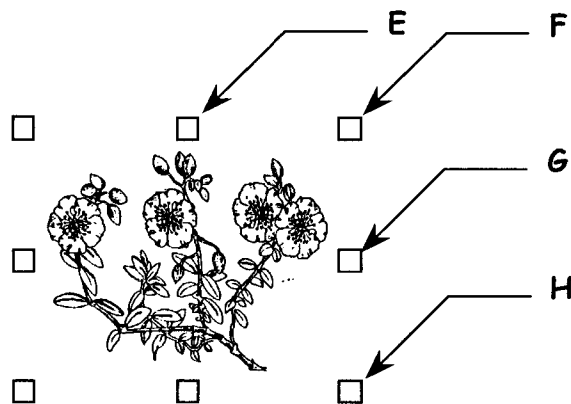
16 The user has bookmarked this site. This means the user has

- A made it a hotspot
- B made it a web browser
- C set it up as a search engine
- D saved it in a list of favourites

17 To improve the presentation of the information at Q, the user could present it

- A fully justified
- B in a pie chart
- C in a table
- D in italics

- 18 To order rock roses, the user should send an e-mail to
- A www.plantlist.com
 - B roger.tate@yahoo.com
 - C www.bath-and-west.com
 - D plantlist@bath-and-west.com
- 19 The paragraphs at P have inconsistent
- A fonts
 - B font sizes
 - C line spacing
 - D indentation
- 20 The copyright symbol on this article means that
- A this information is confidential
 - B only Garden Design can grow rock roses
 - C Garden Design has exclusive rights to the article
 - D only Garden Design has the right to promote rock roses
- 21 The purpose of this web page is to
- A sell rock roses
 - B collect information
 - C sell tickets to the flower show
 - D provide information about Roger Tate
- 22 Using the cropping tool to remove only the two flowers on the right of the following image, the user should drag the handle at
- A E
 - B F
 - C G
 - D H



Questions 23 to 32 are about this spreadsheet. Formulas are used to calculate values in columns F and G, and rows 9 to 12.

	A	B	C	D	E	F	G
1	GCSE RESULTS 2001						
2	Schools	Number of students	Grade A	Grade B	Grade C	% Students achieving A, B and C grades	% Students achieving A grades
3	Church School	110	23	24	30	70.0	20.9
4	Edward VI	115	15	22	33	60.8	13.0
5	Homewood High	85	15	25	20	70.6	17.6
6	Penderel School	70	16	22	28	94.2	22.8
7	St Michael's	66	12	18	20	75.7	18.2
8	King Arthur	120	18	30	32	66.6	15.0
9	Total	566	99	141	163		
10	Average	94	16	23	27		
11	Maximum	120	23	30	33		
12	Minimum	66	12	18	20		

23 The schools that achieved a higher number of **Grade A** results than the average are

- A Penderel School, Church School
- B King Arthur, Penderel School
- C Church School, King Arthur
- D Edward VI, King Arthur

24 To position the title in row 1, the user

- A inserted a new column at B1
- B merged cells A1:D1
- C deleted cells B1:D1
- D split cells A1:D1

25 The data range to create a bar chart comparing only **Grade A** results with **Grade B** results for each school is

- A A3:A8 and C3:D8
- B A3:A8 and B3:C8
- C A3:A8 and D3:G8
- D A3:D8

26 If the value in cell **E6** is changed to 30, the values that will change automatically are in cells

- A F6, E9, E10, E11, E12
- B F6, E9, E10
- C F6, E9, E10, E12
- D F6, G6, E9

27 The formula in cell **B10** is

- A =AVERAGE(B2:B8)
- B =AVERAGE(B3:B10)
- C =AVERAGE(B3:B9)
- D =AVERAGE(B3:B8)

28 % Students achieving A, B and C grades is the number achieving each grade added together, divided by the Number of students and then multiplied by 100. The formula in cell **F3** is

- A =C3+D3+(E3/B3)*100
- B =(C3+D3+E3)/B3*100
- C =C3+D3+E3/B3*100
- D =(C3+D3)+E3/B3*100

29 The data in cell range **A9:E12** is vertically aligned

- A centre
- B right
- C left
- D top

30 The data in cell range **F3:G8** is formatted as

- A text
- B currency
- C number to one decimal place
- D percentage to one decimal place

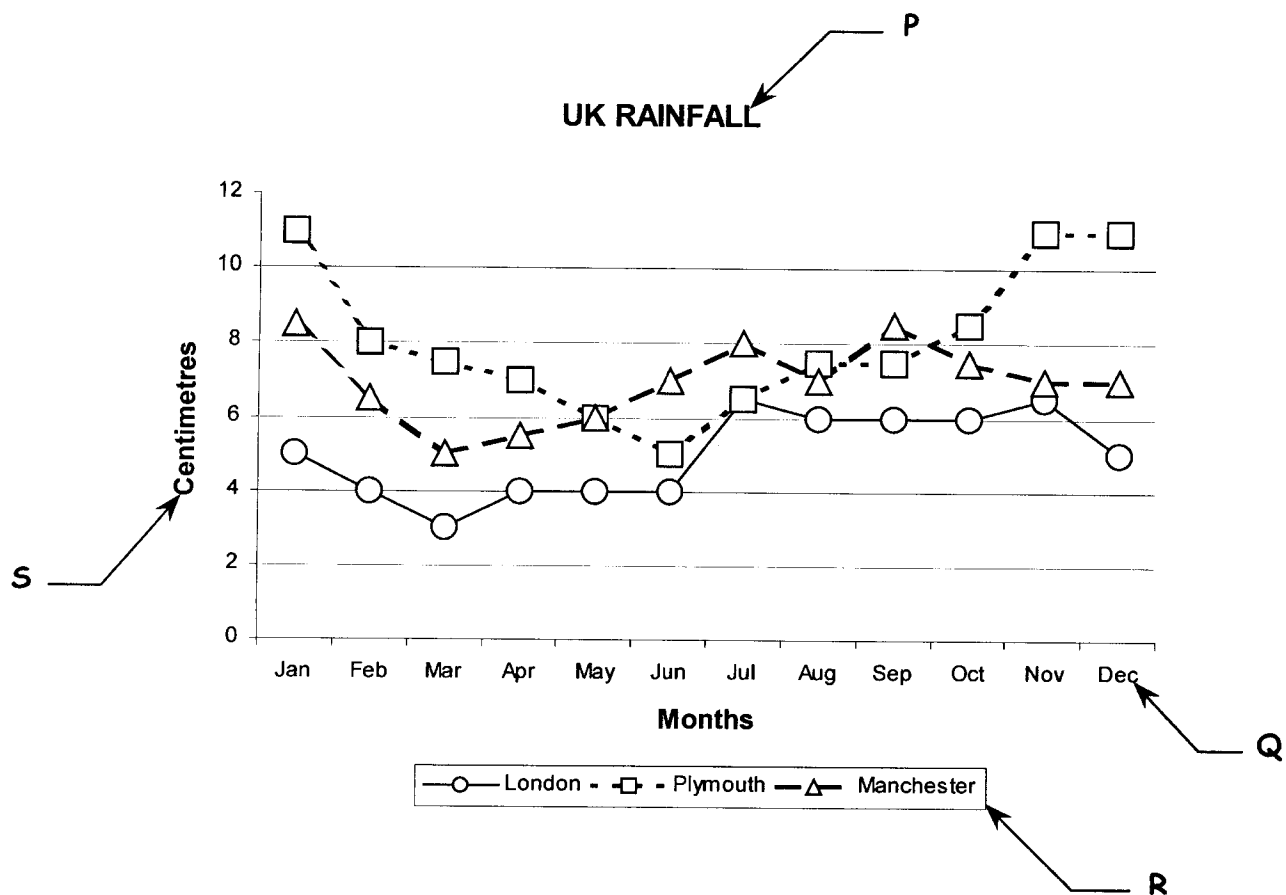
31 The formula in cell **G3** is =C3/B3*100. This is replicated to cell range **G4:G8**. The formula in cell **G7** is

- A =SUM(G4:G8)
- B =G3/G8*100
- C =C3/B3*100
- D =C7/B7*100

32 The formula in cell **B9** is =SUM(B3:B8). If this is replicated to cell **E9**, the formula in cell **E9** is

- A** =SUM(B3:B8)
- B** =SUM(B9:E9)
- C** =SUM(E3:E8)
- D** =SUM(B3:E8)

Questions 33 to 35 are about this line graph.



33 The graph legend is at

- A P
- B Q
- C R
- D S

34 This chart is a visual method of

- A collecting information on rainfall
- B comparing rainfall in three cities
- C explaining the increase in rainfall
- D showing that December is the wettest month

35 The title of the y-axis is

- A London, Plymouth, Manchester
- B Centimetres
- C UK RAINFALL
- D Months

Questions 36 to 40 are general questions.

36 The criterion that should be used to find the three words **Jones**, **James** and **Jules** in a document is

- A J?
- B *es?
- C Jes??
- D J??es

37 Wildcards can be used to

- A search for a file
- B close a file
- C open a file
- D edit a file

38 To minimise data loss in the event of a computer crash, the user should

- A backup frequently to a secure medium
- B keep equipment securely locked
- C use passwords to protect files
- D run frequent virus checks

39 Which of the following is a physical stress that users working on IT systems for extensive periods may experience?

- A visual fatigue
- B virus infection
- C computer breakdown
- D loss of confidential data

40 The file Q1 is stored in the directory Bonus within the Sales directory.

Diagram A

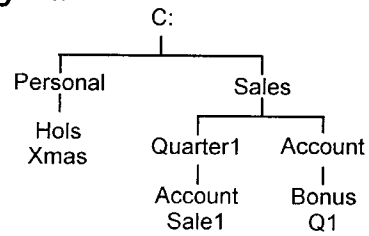


Diagram B

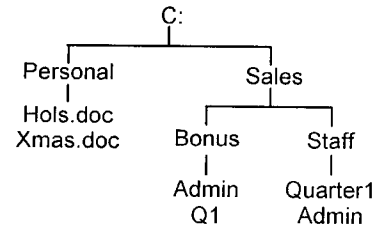


Diagram C

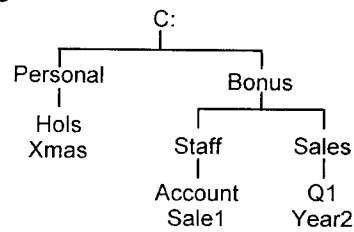
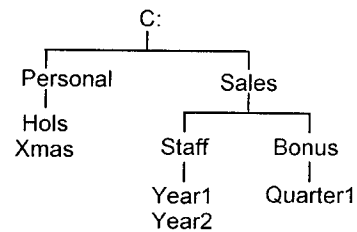


Diagram D



The structure that shows this is

- A diagram A
- B diagram B
- C diagram C
- D diagram D

END OF TEST