

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

2357/01

**INFORMATION AND COMMUNICATION
TECHNOLOGY**

**Paper 1
(Foundation Tier)**

MONDAY 13 JUNE 2011: Afternoon

DURATION: 1 hour

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the question paper.

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- **Write your name, centre number and candidate number in the boxes on the first page. Please write clearly and in capital letters.**
- **Use black ink. Pencil may be used for graphs and diagrams only.**
- **Read each question carefully. Make sure you know what you have to do before starting your answer.**
- **Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).**
- **Answer ALL the questions.**

INFORMATION FOR CANDIDATES

- **The number of marks is given in brackets [] at the end of each question or part question.**
- **The total number of marks for this paper is 60.**
- **No marks will be awarded for using brand names of software packages or hardware.**

1 Tick ONE box in each row to choose the most appropriate software to use for the task. [4]

Task	Word processor (✓)	Spreadsheet (✓)	Computer Aided Design (CAD) (✓)	Data logging (✓)
Calculating the costs of a trip				
Collecting readings from sensors				
Creating a 3D model of an object				
Writing a letter				

2 Tick ONE box in each row to show whether the item is hardware or software. [3]

Item	Hardware (✓)	Software (✓)
CD drive		
Mouse		
Web browser		

3 Draw a line from each of the processes to the task it describes. [3]

Process

Editing
Exporting
Formatting

Task

Moving data from one document to another
Correcting a spelling mistake
Changing the appearance of text in a document

4 Iqbal is making a booklet about Kings and Queens. Two pages from Iqbal's eight-page booklet are shown overleaf.

(a) Tick ONE box in each row to identify the feature shown by the letters (A) to (E). [5]

	Header (✓)	Footer (✓)	Page number (✓)	Graphic (✓)	Margin (✓)
(A)					
(B)					
(C)					
(D)					
(E)					

(b) The title at (X) is not well presented.

Give THREE ways in which the display of the title could be improved.

WAY 1 _____

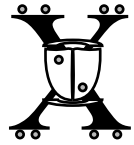
WAY 2 _____

WAY 3 _____

_____ [3]

A

This is MY Booklet on History



X

the tudors

King Henry VIII



Henry was born on 28 June 1491 and was King from 21 April 1509 –28 January 1547

C

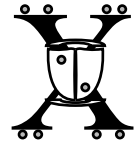


D

B

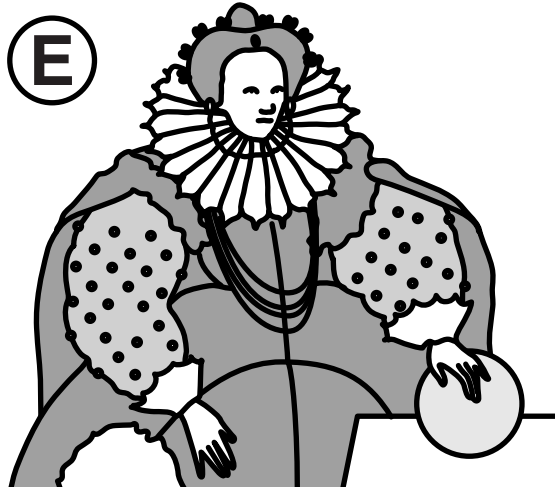
This is PAGE 1 of 8

This is MY Booklet on History



Elizabeth I

**Elizabeth I was born on 7 September 1533
and Queen
from 17 November 1558 to 24 March 1603**




D

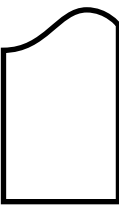
This is PAGE 2 of 8

Question 4(c) – Iqbal’s shapes and patterns

Basic shapes

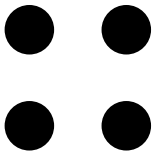
shape 1: 

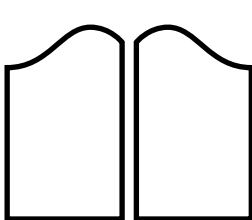
shape 2: 

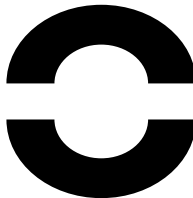
shape 3: 

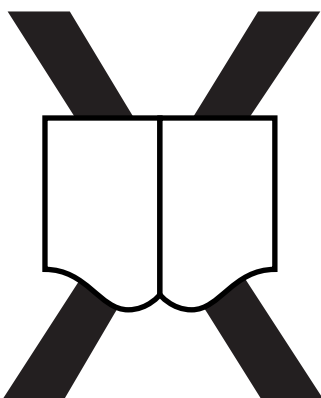
shape 4: 

Patterns produced

pattern A: 

pattern B: 

pattern C: 

pattern D: 

5 Tick ONE box in each row to show whether the statement is True or False. [5]

Statement	True (✓)	False (✓)
Hackers cannot delete encrypted files		
Using the same password for everything makes it safer		
You must write down your password in case you forget it		
Your password must be changed regularly		
Your user ID must always contain your name		

BLANK PAGE

6 Brian uses a database to store some information about himself and his friends. Part of the database is shown on the opposite page.

(a) How many records are shown?

_____ [1]

(b) Brian uses his database software to show the list with the females first, in alphabetical order of name.

(i) Explain how he does this.

_____ [4]

(ii) What is the height of the person who is now at the top of the list?

_____ [1]

**(c) Brian searches his database.
Write a suitable query to find all of his friends who are exactly 1.6 m tall, have blue eyes and weigh less than 70 Kg.**

_____ [4]

ID no.	Name	Gender	Weight (Kg)	Height (m)	Eye Colour	Hair Colour
1	Hardeep	M	77	1.65	brown	brown
2	Rowena	F	65	1.60	brown	brown
3	Sue	F	64	1.45	blue	blonde
4	Steve	M	71	1.88	brown	brown
5	Mike	M	68	1.89	brown	brown
6	Andy	M	70	1.75	brown	grey
7	Roger	M	69	1.74	brown	brown
8	Andrew	M	77	1.84	brown	brown
9	Chris	M	64	1.70	brown	black
10	Carole	F	66	1.66	blue	brown
11	Kia	F	61	1.60	brown	brown
12	Brian	M	75	1.69	blue-green	grey
13	Norman	M	69	1.70	brown	brown
14	Dave	M	71	1.85	brown	black
15	Baljinder	M	87	1.54	brown	brown
16	Barry	M	70	1.60	brown	black
17	Asif	M	65	1.65	brown	black
18	Aysha	F	66	1.45	brown	brown
19	Alan	M	65	1.60	brown	brown
20	Nic	M	72	1.73	brown	brown

(d) Identify the field in Brian's database that would be suitable as a key field and state why it is suitable.

FIELD _____

REASON _____

_____ [2]

(e) When the data was entered into the database, it was verified and validated.

(i) Why is verification carried out?

_____ [2]

(ii) Give ONE method in which Brian would verify his data entries.

_____ [1]

(iii) Give ONE reason why validation checks are made on the data as it is entered.

_____ [1]

(iv) Describe ONE validation check that could be made as data is entered into the height field.

[2]

7 The pictures show three different types of printer.



colour inkjet printer



laser printer



dot matrix printer

(a) Identify a workplace where the dot matrix printer would be suitable for use and give a reason.

WORKPLACE _____

REASON _____ **[2]**

(b) Give TWO reasons why colour inkjet printers are often used in homes.

Reason 1 _____

Reason 2 _____

_____ [2]

(c) State ONE advantage of using a laser printer.

_____ [1]

8 The table shows the populations of some European cities.

City	Population
Paris	2 100 000
London	7 100 000
Rome	2 650 000
Vienna	1 500 000
Madrid	2 800 000

The data from the table is imported into a computer system for displaying in a Geography presentation.

Describe how this data could be prepared using computer software ready for use in the Geography presentation.

[4]

9 Give TWO advantages and TWO disadvantages of using computer simulations for training people to be aircraft pilots.

Advantage 1 _____

Advantage 2 _____

Disadvantage 1 _____

Disadvantage 2 _____

[4]

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