

JUNIOR LYCEUM ANNUAL EXAMINATIONS 2009
 DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
 Educational Assessment Unit

FORM 4 **INFORMATION AND COMMUNICATION TECHNOLOGY** **TIME: 1h 30min**

Name: _____ **Class:** _____

<i>For office use only:</i>			
Question 1 (max 36 marks)	Question 2 (max 41 marks)	Question 3 (max 23 marks)	Final Mark 100

Answer ALL questions. This paper carries 100 marks.

1 This question is about Basic Concepts.

- a. Draw an arrow** to match each phrase with its definition. *An example has been provided.*

Phrase	Definition	
i. Personal Digital Assistant	Allow to enter information into a PC.	
ii. Keyboard	A number of unconnected computers spanning long distances.	1
iii. Random Access Memory	Processes data within a PC.	1
iv. Central Processing Unit	Device that provides instant feedback.	1
v. Wide Area Network	A volatile type of computer storage.	1
vi. Output device	A small device using a special pen to enter information.	1

- b. Mark the following with a T (True) or an F (False).**

	T/F	
i. The main working memory of the computer is the ROM.		1
ii. A byte is a set of 16 bits.		1
iii. A megabyte consists of 1024 kilobytes.		1
iv. When re-formatting the hard disk the data stored will be lost.		1
v. The root folder is that folder found at the lowermost level of the heirarchical file structure.		1
vi. A common use of flash memory is to store the BIOS settings in the computer's ROM chip.		1
vii. Random Access Memory (RAM) is measured in kilobytes.		1

c. Give the name, use and (or type) of each device shown below.

i.



Name: _____

Use: _____

ii.



Name: _____

Type 1: _____

Type 2: _____

iii.



Name: _____

Use: _____

d. Write **Application Program** or **Operating System** to identify the following:

i. Word processor: _____

ii. Linux: _____

iii. Database: _____

iv. Desk Top Publishing: _____

e. Put the following **storage devices** in order of their typical storage capacity by writing numbers from 1 to 5. Write 1 near the device with the biggest storage capacity.

i.	Floppy disk	
ii.	CD-ROM	
iii.	Hard Disk (Fixed)	
iv.	Zip disk	
v.	Data cartridge (Tape)	

f. Write down a **possible health hazard** for each of the following:

i. Your chair is not adjustable and supportive: _____

ii. You spend many hours every day typing: _____

iii. You stare at a PC screen for extended periods: _____

iv. The system cables are not secured and they are in the way: _____

2 This question is about Databases.

a. Study the following picture and answer the following questions below.

BirdID	BirdCode	BirdName	Colour	Size	Migratory?	NumberSeen	DateSeen	PlaceSeen	Comments
22	55921	Blue Tit	Blue/Yellow/Black/White	6	<input type="checkbox"/>	4	07/06/2009	Ballsbridge	
12	90900	Brent Goose	Black/White	56	<input checked="" type="checkbox"/>	34	12/12/2007	Dollymount	
9	45322	Cormorant	Black/White	83	<input type="checkbox"/>	3	12/06/2008	Ireland's Eye	
21	54467	Dodo	Blue/White/Yellow	90	<input type="checkbox"/>	0	07/05/2009	Mauritius	
5	89007	Fulmar	White/Grey	45	<input type="checkbox"/>	3			
4	77900	Gannet	White/Black	85	<input type="checkbox"/>	5	12/06/2008	Ireland's Eye	
15	56677	Gldeneeye	White/Black	41	<input checked="" type="checkbox"/>	9			
2	77543	Great Crested Grebe	Grey/White/Brown	46	<input type="checkbox"/>	21	13/03/2007	Dalkey	
1	30021	Great Norther Diver	Black/White	69	<input checked="" type="checkbox"/>	23			
6	54556	Great Shearwater	White/Brown	42	<input checked="" type="checkbox"/>	7			
10	90008	Grey Heron	Grey/White	90	<input type="checkbox"/>	4			
13	65000	Greylag Goose	Grey	76	<input checked="" type="checkbox"/>	22			
19	12243	Kestrel	Grey/Brown	33	<input type="checkbox"/>	2			
3	55789	Little Grebe	Black/Brown	24	<input type="checkbox"/>	14	04/09/2008	Stephen's Green	
17	45777	Mallard	Green/White/Brown	55	<input type="checkbox"/>	16	28/09/2008	Wexford	
7	65666	Manx Shearwater	Black/White	30	<input type="checkbox"/>	17			
11	56672	Mute Swan	White	144	<input type="checkbox"/>	12	14/06/2008	Malahide	
20	34333	Pheasant	Green/Gold	0	<input type="checkbox"/>	6	27/09/2008	Wexford	
14	76666	Shelduck	White/Brown/Black	57	<input type="checkbox"/>	16			
18	66671	Sparrowhawk	Blue/White	28	<input checked="" type="checkbox"/>	1	07/06/2008		
8	33211	Storm Petrel	Black/White	13	<input type="checkbox"/>	1			
16	98888	Teal	Grey/Multicolour	34	<input type="checkbox"/>	14	28/09/2008	Wexford	
* oNumber)	0			0	<input type="checkbox"/>	0			

Record: 11 of 22

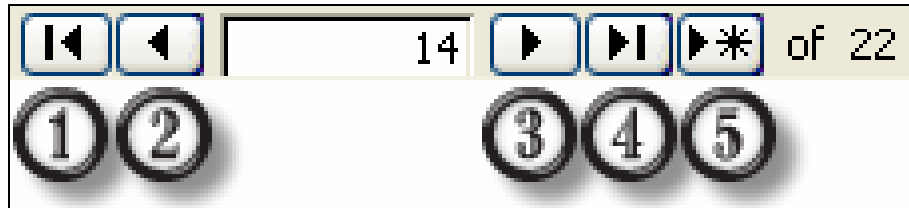
- What is the name of the table? _____
- Write the name of a field with a **Number** data type: _____
- Write the name of the field with a **Yes/No (Boolean)** data type: _____
- Write the name of the field with an **AutoNumber** data type: _____
- Write the name of the field with a **Memo** data type: _____
- Write the name of a field with a **Text** data type: _____
- Complete the table below using the data of the **8th** record:

Field Name	Data
	2
	77543
BirdName	
Colour	
Size	
NumberSeen	
DateSeen	
	Dalkey

- Write the name of a suitable **key field** (primary key) from the datasheet above.

- Give a suitable **field size** (field length) for the field *BirdName*.

- b. The picture below shows the 'Table' navigation buttons which have been numbered



- i. Write down the corresponding button number to:

- move to the next record.
- enter a new record.
- move to the previous record.
- reach the first record.
- reach the last record.

- ii. What is the current record number? _____
- iii. How many records are there in the table? _____
- iv. When making a search, two specific wildcard characters are usually used.
Complete the following sentence:

The two typical wildcards characters are ____ and ____ .

- c. The following picture shows part of the **Table toolbar** with eight numbered buttons.



Write down the number of the button to:

- i. Insert a New Record. _____
- ii. Sort by Descending order. _____
- iii. Filter by selection. _____
- iv. Find or Find and Replace. _____
- v. Sort by Ascending order. _____
- vi. Delete a record. _____

- d. If a record is deleted from a table, can that record be restored? Tick the correct checkbox:

Yes ☐ No ☐

- e. The buttons shown below are associated with two different views in a database application.



Write down the number of the button to:

- i. Change to **Design View** to see the fields in a query. _____
- ii. Change to **Datasheet View** to see a filtered query table. _____
- f. The two pictures below show two views of a query table. Write down next to each picture which is the **Datasheet View** and which is the **Design View**.

Field:	BirdID	BirdName	Migratory?
Table:	Bird types	Bird types	Bird types
Sort:		Ascending	
Show:		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:			=Yes
or:			

i. _____

	BirdName	Migratory?	DateSeen	PlaceSeen
▶	Great Norther Diver	<input checked="" type="checkbox"/>		
	Great Shearwater	<input checked="" type="checkbox"/>		
	Brent Goose	<input checked="" type="checkbox"/>	12/12/2007	Dollymount
	Greylag Goose	<input checked="" type="checkbox"/>		
	Gldeneye	<input checked="" type="checkbox"/>		
	Sparrowhawk	<input checked="" type="checkbox"/>	07/06/2008	
*		<input type="checkbox"/>		

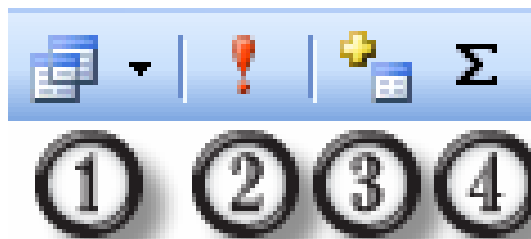
ii. _____

- iii. The picture on the right shows that the field BirdID has the **Show** unchecked.

Explain what happens when you run the query with this setting:




Field:	BirdID
Table:	Bird types
Sort:	
Show:	
Criteria:	

- g. The picture below shows part of the Query Design toolbar with four numbered buttons.



- i. Enter the number of the button to run the query: _____

ii. Look carefully at the picture below.

Field:	BirdID	BirdName	Migratory?
Table:	Bird types	Bird types	Bird types
Sort:		Ascending	
Show:			
Criteria:			=Yes
or:			

When the above query is run, by which **field** will the selected records be ordered?

1



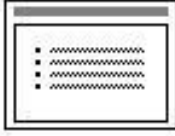

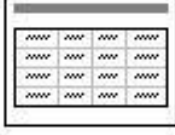
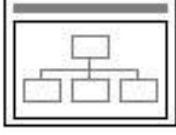
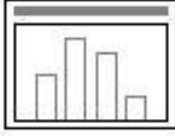

What is the other type of ordering the records called?

1

3 This question is about PowerPoint.

a. The picture on the right shows eight slide layouts which have been given letters of alphabet. Match the descriptions on the left with the slide layouts by writing the corresponding letter.

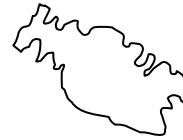
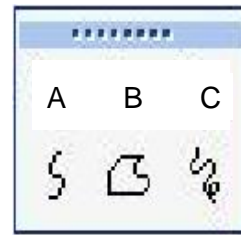
- i. Blank
- ii. Title Slide
- iii. Title and 2 Column Text
- iv. Title and Chart
- v. Title and Table
- vi. Title and Text
- vii. Content
- viii. Title and Diagram or Organisational Chart

A			I
B			I
C			I
D			I

8

- b. The picture on the right show 3 drawing Tools. Curve (labelled A), Freeform (B) and Scribble (C). It also shows an image of a **star**, a **map** and an **apple**.

Write beneath each image the letter of the best tool to use to draw the image.



3

- c. i. What is a slide transition? _____
 ii. Name one example: _____

1

1

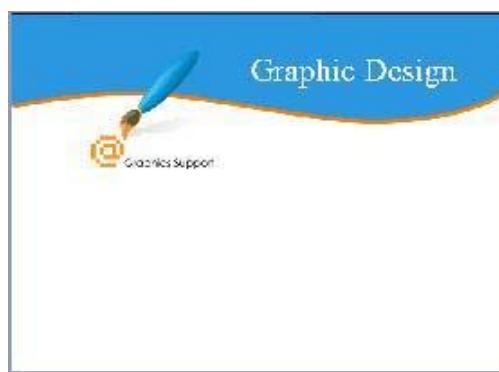
- d. Give an example when object animation may be applied?

2

- e. What is the result of using too much text-build effects?

2

- f. I have a **banner** and **logo** (shown below) which I want to insert in all my slides.



What is the name of the special slide that I must use to insert the banner and logo on all slides?

2

- g. The picture below shows six slides from the **Slide Sorter View**.



I want to make another slide exactly as the first one.

- i. Describe two different methods how this can be done?

1.

2.

- ii. How can the copied slide be placed at the end of the presentation (that is, after slide six)?

2

2

End of Examination Paper