



Name:

The Leys School Cambridge

Specimen

Sixth Form Scholarship Examination

ICT

Time allowed: 60 minutes

Instructions

- Write your name in the box at the top of this page.
- There are two sections to this paper.
- Answer all questions in Section A
- Answer only 2 of the 3 questions in Section B.
- The number of marks for each question is given in brackets []
- The use of a dictionary is not allowed

3 A computer user logs on to the Internet via an Internet Service Provider (ISP) to read any emails sent to them.

(a) Explain what the Internet is.

.....
.....
.....
.....[2]

(b) Describe **three** services, other than email, that the ISP may offer.

Service 1

.....
.....
.....

Service 2

.....
.....
.....

Service 3

.....
.....
.....[6]

6 The use of mobile phones to take and send digital pictures is now common.

(a) Give two benefits of taking and sending pictures using a mobile phone.

Benefit 1

.....
.....

Benefit 2

.....
..... [2]

(b) Give two problems that may arise from using a mobile phone to take pictures.

Problem 1

.....
.....

Problem 2

.....
..... [2]

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7 Megan is creating a database about a netball team.

(a) Give a suitable data type for each of the fields shown in the table.

Write your answers in the spaces in the table.

Two have been done for you.

Field	Example data	Data type
Player ID	2342	
First name	Megan	alphanumeric
Date of birth	15/10/1992	
Position played	Goal defence	
Telephone number	01223 24293	
Available after school	Yes	Boolean

[4]

(b) (i) Which field would be most suitable as a key field?

..... [1]

(ii) Why is this field suitable?

..... [1]

(c) Data is validated as it is entered into her database.

What is meant by validation?

..... [2]

(d) Give **one** validation check that could be used on the Player ID field.

..... [1]

Section B

Discuss 2 of the 3 statements below.

1. *'ICT has improved the way people work.'* [8]
2. *'The introduction of computer systems has led to an increase in crime, but computers are also used to catch criminals.'* [8]
3. *'The Internet has created more problems than benefits for schools.'* [8]

Write your answers in the space provided on the next two pages

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