

Revision Sheet

IGCSE Computer Science · Unit 9 Databases

6 vocabulary items · 23 marks of exam questions (4 questions)

Part 1 · Vocabulary review (6 items). The terms this unit is examined on most. Mark it yourself from the answer key.

Section A · Chinese to English

Write the English word.

1.

[1]
2.

[1]
3.

[1]
4.

[1]
5.

[1]
6.

[1]

Part 2 · Exam questions (23 marks, 4 questions) begins on the next page. They are ordered easy to difficult and none of them has been set before.

7 A school has set up a database table `EquipmentLoan` to record details of school equipment loaned to students.

EquipmentID	Description	Name	DateLoaned	Returned
Cam01	Digital camera	James	23/04/2025	No
Cam04	Digital camera	Amir	12/03/2025	Yes
Gra02	Graphics tablet	Nikita	27/04/2025	No
Tab01	Tablet	Holly	18/03/2025	Yes
Ext01	External Hard drive	Hussein	27/04/2025	Yes
Cam02	Digital camera	Emily	10/04/2025	Yes
Tri01	Tripod	Emily	10/04/2025	Yes

- (a)

(i)

Give the name of the field that is most appropriate to be the primary key.

..... [1]

(ii)

State the reason for choosing this field for the primary key.

..... [1]
- (b)

Complete the structured query language (SQL) statement to list equipment **not** returned. The list must contain only the descriptions and student names.

SELECT

FROM

WHERE ; [3]

8 A database table, `CapitalCity`, stores data about capital cities from around the world.

Field	Description
Identification	a unique identifier
Name	the name of the city
Country	the name of the country in which the city is located
Continent	the name of the continent in which the city is located
Population	the number of people living in the city
Founded	the year the city was founded
AverageIncome	average income of the city's population, in \$, rounded to 2 decimal places
Subway	whether or not the city has an underground railway system

(a) Complete the table by writing **one** appropriate field from `CapitalCity` for each data type.

Each field must be different.

Data type	Field
Boolean	
integer	
real	
text	

[2]

(b) Complete the structured query language (SQL) statement to list only the name, country and population of all the cities in `CapitalCity` from the continent of Asia.

```
SELECT .....  
..... CapitalCity  
  
WHERE ..... = ..... ;
```

[4]

9 Complete the paragraph about databases. Use terms from the list. You may need to use a term more than once. Some of the terms in the list will **not** be used.

- fields comments columns constant key
- table primary key program records rows
- scripts database validation variable

Database tables consist of and

Rows are

..... are fields.

Structured query language (SQL) are used to query data.

A uniquely identifies a record.

[6]

10 A database table called `SoftDrinks` stores details of the soft drinks sold by a small shop.

Field	Example data
Name	Cola
Supplier	Cambridge Beverages
Container	Can
SizeCl	330
NumberInStock	30
ReorderLevel	15
Reordered	Yes

(a) State whether any of the given fields would be suitable as a primary key and give a reason for your answer.

.....
..... [1]

(b) Complete the structured query language (SQL) statement to return the number of cans the shop has in stock.

SELECT (.....)
FROM
WHERE = ;

[5]