

1.3 EXCHANGING DATA · 1.3.2

SQL — Mark scheme

32 marks · spec 1.3.2(d)

AO key: AO1 = knowledge & understanding · AO2 = application · AO3 = design/program. Accept valid SQL variations (e.g. INNER JOIN ... ON). Award by function, not exact punctuation.

Q	ANSWER	AO	MARKS
1(a)	Retrieves/returns data (1) (the chosen fields) from one or more tables (1). (2)	AO1	2
1(b)	Filters records to those matching a condition. (1)	AO1	1
1(c)	Sorts the results by a field (ascending or descending). (1)	AO1	1

Q	ANSWER (INDICATIVE)	AO	MARKS
2	<pre>SELECT FirstName, Surname FROM Customer WHERE Title = 'Mr' ORDER BY Surname ASC</pre> <p>1 mark each, max 5: SELECT correct fields (1); FROM Customer (1); WHERE Title = 'Mr' (quotes) (1); ORDER BY Surname (1); ASC stated/correct (1).</p>	AO3	5

Q	ANSWER (INDICATIVE)	AO	MARKS
3	<pre>SELECT Order.OrderID, Customer.Surname FROM Order, Customer WHERE Order.CustomerID = Customer.CustomerID</pre> <p>1 mark each, max 4: correct fields (table-qualified) (1); both tables in FROM (1); join condition matching CustomerID (1); overall valid query (1). Allow INNER JOIN Customer ON Order.CustomerID = Customer.CustomerID.</p>	AO3	4

Q	ANSWER (INDICATIVE)	AO	MARKS
4(a)	<pre>INSERT INTO Customer (CustomerID, Title, FirstName, Surname, Town) VALUES (7, 'Ms', 'Grace', 'Hopper', 'Arlington')</pre> <p>1 mark each, max 3: INSERT INTO Customer (1); fields/order correct (1); VALUES with text in quotes (1).</p>	AO3	3
4(b)	<pre>UPDATE Customer SET Town = 'Boston' WHERE CustomerID = 7</pre> <p>1 mark each, max 3: UPDATE Customer / SET Town = 'Boston' (1); correct value in quotes (1); WHERE CustomerID = 7 (1).</p>	AO3	3

Q	ANSWER (INDICATIVE)	AO	MARKS
5(a)	<pre>DELETE FROM Order WHERE Total = 0</pre> <p>1 mark each, max 3: DELETE FROM Order (1); WHERE clause present (1); condition Total = 0 (1).</p>	AO3	3
5(b)	All records in the Order table would be deleted. (1)	AO2	1

Q	ANSWER (INDICATIVE)	AO	MARKS
6(a)	It sets the Town of every customer to 'London' (1), because there is no WHERE clause to restrict it (1). (2)	AO2	2
6(b)	<pre>UPDATE Customer SET Town = 'London' WHERE CustomerID = 4</pre> <p>1 mark each, max 3: UPDATE/SET retained (1); correct value (1); WHERE CustomerID = 4 added (1).</p>	AO3	3
6(c)	<pre>CREATE TABLE Town (TownID INTEGER PRIMARY KEY, TownName VARCHAR(30))</pre> <p>1 mark each, max 4: CREATE TABLE Town (1); TownID with a type (1); PRIMARY KEY on TownID (1); TownName with a valid type (1).</p>	AO3	4

Total for paper: 32 marks