# **Concept Test Part 1**

### 1. Performance tuning relates to which one of the following activities? Justify your answer.

**a) The activities that make the database perform more efficiently in terms of storage and access speed**

**b) The activities that guarantee the integrity and consistency of the data in database**

**c) The activities of extracting the same data which is stored unnecessarily at different places**

**d) The activities which have been developed when not all the required changes in the redundant data are made successfully**

### *2. Which of the following best explains the DISTINCT keyword?*

### *Justify your answer.*

a) **Deletes duplicate rows from tables**

**b) Filters duplicate rows in query results**

**c) The primary key column is the first column returned**

**d) Ensures all column values in query results are unique**

**For question one I chose a)**

**My justification is that performance tuning is about where to store data and how quickly can it be accessed** (Petkovic, 2020, p. 449)**.**

**For question two I chose d)**

**My justification is the following quotes with references.**

**DISTINCT**  
“Specifies that only unique rows can appear in the result set” (Guyer, 2022).

SELECT DISTINCT specifies that the statement is going to be a query that returns unique values in the specified column(s) (Codecademy, n.d.).

**References**

Codecademy. (n.d.). *SQL commands*. <https://www.codecademy.com/article/sql-commands>

Guyer, C. (2022, March 23). *SELECT clause (Transact-SQL) - SQL server*. Microsoft Docs. <https://docs.microsoft.com/en-us/sql/t-sql/queries/select-clause-transact-sql?view=sql-server-ver16>

Petkovic, D. (2020). *Microsoft SQL server 2019: A beginner’s guide, seventh edition* (7th ed.). McGraw Hill.