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**Marks** 7.00/8.00

**Grade** 8.75 out of 10.00 (87.5%)

### Question 1

Correct

Mark 1.00 out of 1.00

In what way does the Waterfall model generalize the approach to database development?

- ☐ a. By integrating rapid prototyping techniques.
- ☐ b. By summarizing requirements across multiple iterations.
- ☐ c. By combining development phases in a flexible manner.
- ☒ d. By following a standardized sequence of phases. ✓

Your answer is correct.

### Question 2

Correct

Mark 1.00 out of 1.00

Which technique is commonly used to incorporate new data into an existing database schema?

- ☐ a. Database mirroring
- ☒ b. Data migration ✓
- ☐ c. Data deduplication
- ☐ d. Data summarization

### Question 3

Incorrect

Mark 0.00 out of 1.00

Data replication is crucial for \_\_\_\_\_.

- ☒ a. ensuring data consistency during database alterations. ✗
- ☐ b. enhancing data security measures.
- ☐ c. organizing historical data for long term storage.
- ☐ d. integrating data from multiple sources during database alterations.

Your answer is incorrect.

**Question 4**

Correct

Mark 1.00 out of 1.00



In database maintenance, what role does database optimization play?

- ☐ a. Enhancing data security measures
- ☐ b. Generating automated backup schedules
- ☐ c. Combining data from disparate sources
- ☒ d. Improving query performance ✓

**Question 5**

Correct

Mark 1.00 out of 1.00

What is the main drawback of the Waterfall model in database development?

- ☒ a. Inflexibility to changing requirements ✓
- ☐ b. Overemphasis on rapid iterations
- ☐ c. Lack of stakeholder involvement Lack of stakeholder involvement
- ☐ d. Overcomplicated project management

**Question 6**

Correct

Mark 1.00 out of 1.00

How does the Waterfall model correspond to traditional project management methodologies in database development?

- ☐ a. By integrating iterative processes
- ☐ b. By emphasizing parallel execution
- ☒ c. By prioritizing sequential phases ✓
- ☐ d. By incorporating agile principles

**Question 7**

Correct

Mark 1.00 out of 1.00

In the Waterfall model of Database Life Cycle, what is the primary focus during the initial phase?

- ☒ a. Synthesizing requirements ✓
- ☐ b. Coordinating modules
- ☐ c. Generating prototypes
- ☐ d. Compiling data structures

**Question 8**

Correct

Mark 1.00 out of 1.00



In the Waterfall model, each phase must be completed before the next phase begins, promoting a sequential approach to development.

Is the statement TRUE or FALSE?

- ☒ a. TRUE ✓
- ☐ b. FALSE