WEEK 7. Physical DB Design – p1 – Chapter 8

Self-Check Questions

1. Which of the following is independent of the choice of a DBMS?
   a. Entity Relationship Diagrams
   b. Distribution Schema
   c. Internal Schema
   d. Index Files

2. Conceptual data modeling takes place primarily during:
   a. Systems implementation
   b. System design
   c. System design and implementation
   d. System analysis

3. Which of the following decisions would be a part of physical database design?
   a. Documenting business requirements for querying, reports, etc.
   b. Choice of primary keys for each table
   c. Choice of indexes to speed up queries on large tables
   d. Replication of critical tables across geographic sites for disaster recovery.

4. Which of the following decisions would be a part of distributed database design?
   a. Documenting business requirements for querying, reports, etc.
   b. Choice of primary keys for each table
   c. Choice of indexes to speed up queries on large tables
   d. Replication of critical tables across geographic sites for disaster recovery.

5. For large projects, the most difficult problem in view design and integration is often:
   a. Integrating the views
   b. Choosing the views
   c. Designing individual views using SQL
   d. Choosing the staff to work on individual views

Discussion Questions

6. What are some DBMS-specific concerns for performance improvement?