Vocabulary (mostly multiple choice)

-data vs information

-Logical data models

-atomic

-domain

Er diagrams

-draw simple er diagrams based on a description

-provide cardinalities/connectivities

-degree of a relationship

-recursive relationships

Logical data model – relational model

-keys – primary key, candidate key, superkey

-foreign keys

-entity integrity constraint – no part of the primary key can be null

-referential integrity constraint –

For a foreign key, the value must be a value that exists as the primary key of the table it

references, or NULL, if otherwise allowed

Normalization

1NF- no repeating groups, all values must be atomic (each cell must have a value of 1)

2NF- no partial key dependencies ()

3NF- no transitive dependencies

SQL

DDL- CREATE TABLE, ALTER TABLE, DROP TABLE, DESCRIBE (schema)

DML- INSERT, UPDATE, DELETE, SELECT

Like operator

ORDER BY

DISTINCT

GROUP BY

Group functions

NO subqueries