What is a database?

What is a database management system?

Describe the evolution of database models
from the 1960s through the 1980s.

Which advances in database design date to the late '80s and '90s?

What do enterprise/management resource planning packages provide?

What's wrong with storing data in the file system?

What are the advantages of a DBMS?

Describe the data independence advantage of DBMSs.

Describe the data integrity and security
advantage of DBMSs.

Describe the data administration benefits of DBMSs.

Describe the concurrent access advantage of DBMSs.

Why do DBMSs result in reduced application development time?

When should you *not* use a DBMS?

What is a data model?

How does a DBMS tie in?

What is a semantic data model?

Why is it needed?

A *relation* can be thought of as ...

Define *schema*.

A *field* is also called ...

In a relational model, the schema for a relation specifies what?

What are the rows of a relation?

What are integrity constraints?

Name some data models.

The data in a DBMS is described using what?

What does the conceptual schema do?

What does the physical schema do?

What is a *file* to a DBMS?

What does an external schema do?

Each external schema consists of what?

What is a view?

Why are relational databases so popular?

Name to query languages.

What is a transaction?

What is a locking protocol?

What is a lock?

Name two kinds of locks.

What is a Write-Ahead Log?

What is its purpose?

What is checkpointing?

What are the three important points to
remember about concurrency control and
recovery?

What do application programmers do?

What do database administrators do?