

# 7 Lecture - CS403

## Important Mcqs

1. Which of the following is a symbol used in an ER diagram to represent an entity?

- a) Circle
- b) Triangle
- c) Rectangle
- d) Diamond

Answer: c) Rectangle

In an ER diagram, what does a line with an arrow at one end represent?

- a) A one-to-one relationship
- b) A many-to-one relationship
- c) A one-to-many relationship
- d) A many-to-many relationship

Answer: b) A many-to-one relationship

Which of the following is NOT a cardinality constraint in an ER diagram?

- a) One-to-one
- b) One-to-many
- c) Many-to-one
- d) Many-to-many

Answer: c) Many-to-one

In an ER diagram, a weak entity is represented by:

- a) A rectangle with rounded corners
- b) A rectangle with double lines
- c) A rectangle with a dashed border
- d) A rectangle with a triangle in the corner

Answer: c) A rectangle with a dashed border

In an ER diagram, which of the following represents an attribute of an entity?

- a) Circle
- b) Triangle
- c) Rectangle
- d) Diamond

Answer: a) Circle

Which of the following is an example of a relationship in an ER diagram?

- a) Employee
- b) Salary
- c) Department
- d) Address

Answer: c) Department

In an ER diagram, a ternary relationship involves how many entities?

- a) One

- b) Two
- c) Three
- d) Four

Answer: c) Three

**Which of the following is NOT a type of relationship in an ER diagram?**

- a) Unary
- b) Binary
- c) Ternary
- d) Quadratic

Answer: d) Quadratic

**In an ER diagram, what does a double line between entities represent?**

- a) A one-to-one relationship
- b) A many-to-one relationship
- c) A one-to-many relationship
- d) A many-to-many relationship

Answer: d) A many-to-many relationship

**In an ER diagram, what does a diamond shape represent?**

- a) An entity
- b) An attribute
- c) A relationship
- d) A key

Answer: c) A relationship