**1. Question:**

What is the role of a foreign key in a relational database?

**Answer:**  
A foreign key establishes a link between two tables and enforces referential integrity.

**2. Question:**

Explain the concept of recursion in programming.

**Answer:**  
Recursion occurs when a function calls itself, solving problems by breaking them into smaller subproblems.

**3. Question:**

What is Newton’s Third Law of Motion?

**Answer:**  
Newton’s Third Law states that for every action, there is an equal and opposite reaction.

**4. Question:**

What is the function of the Transmission Control Protocol (TCP)?

**Answer:**  
TCP ensures reliable, ordered, and error-checked delivery of data packets across a network.

**5. Question:**

How does photosynthesis occur in plants?

**Answer:**  
Photosynthesis is the process in which plants use sunlight, water, and carbon dioxide to produce glucose and oxygen.