**09**

**a. What is a graph database? Explain how relationships and properties are represented in a graph, with a neat diagram.**

**b. Explain transaction, consistency, and availability with respect to graph databases.**

**c. Describe the query features of graph databases in detail with examples.**

**10**

**a. Discuss the three scaling methods in graph databases with a clear diagram.**

**b. List and explain applications where graph databases are suitable and not suitable.**

**c. With an example graph structure, discuss how relationships are handled in a graph database compared to an RDBMS.**