## (i) [10 points] History: Explain how the "SQL vs. NoSQL" debate is reminiscent of "Relational vs. CODA-SYL" debate. (ii) [10 points] Data Independence: Distinguish between: (1) logical and (2) physical data independence. (iii) [10 points] Data Models: Distinguish between: (1) hierarchical, (2) network, and (3) relational data models. (iv) [10 points] Data Models: List the drawbacks of: (1) hierarchical, (2) network, and (3) relational data models. (v) [10 points] Data Models: Explain the limitations of the object-oriented data model. (vi) [10 points] Novel Database Systems: What is a data warehouse? List the storage model that works well for these systems. (vii) [10 points] Novel Database Systems: Distinguish between: (1) NoSQL and (2) NewSQL systems. (viii) [10 points] Novel Database Systems: Explain the benefits of a HTAP system. (ix) [10 points] Novel Database Systems: Explain the benefits of a Cloud system.