**UNIT I: Data Warehousing and Business Analysis**

* Define **metadata** in the context of data warehousing.
* What is OLAP? List two types.
* Explain the role of **data transformation tools** in building a data warehouse.
* Describe **DBMS schemas** suitable for decision support systems.
* Illustrate how you would **design a star schema** for a retail company.
* Apply **data extraction** and transformation steps for integrating customer and sales data.
* Compare and contrast **ROLAP** and **MOLAP**.
* Analyze the relationship between **data cleaning** and **report accuracy**.
* Evaluate the effectiveness of a **centralized vs distributed warehouse** architecture.
* Justify the use of **dimensional modeling** in OLAP applications.
* Design a **multidimensional data model** for a healthcare organization.
* Develop a **reporting framework** using OLAP tools for educational analytics.