1. What is BU? BI - Business intelligence BI is a technology -driven process for Analyzing data and presenting actionable information to shelp executives managers and other corporate and-users make informed business decisions BI encompasses a voriety to tools, applications and methodologies that enable Organizations to Collect data from internal and external sources, pre pare it for Analysis develop and Sun quies against the data and croate soports idash boads and data Visualization The key aspects of BI include: i) pata- mining: Extracting pattons and knowledge 15 from Larger Set of data. ii) Data wave housing . Aggregating data from different sources into a central nesponsibility in) Reporting: Generating Structured reports for Business Analysis 20 N) Postormane matrics and Bonch monking Compaing Current partormance data to historica data to track postopmance against v) Poxil prive Analytics! using historical data to understand changes over time in business operation 25 vi) Ovaring: Asking specific questions about the data and getting answers in the form of reports vii) Data Visualization: presenting data in grapion from (charts, graph, dashboard) for the oasie understanding and Analysis d. What is pata ware house? A partaware house is contralized repositor that stores integrated data from multiple som designed to support business intelligence (BI)

Activities Including onaring , reporting, and,

| data Analysis. It Consolidates data from |
|--|
| different systems enabling comprehensive |
| Analysis and Informed decisions - mobing |
| and the second of the second o |
| Advantages: |
| i) Improved Data quality and Consistency. |
| Data from Different Somes à cleaned, |
| transformed and Standard 1200 |
| * Ensures uniformity and accuracy across the |
| 10. Organization |
| -ii) Enhanced Business Intelligence: |
| * Facilitates Complexe queries and data |
| prodysis and is |
| * Supports advanced Analytics and data |
| This ghas too better desion making |
| (11) Historical data Analysis: |
| Stores Large Valumes of historial |
| Eng. 1 |
| forcasting |
| 20 'N) performance and cofficerengi- |
| Ophimized for read: heavy Operations and Complex |
| Ouenies Complex |
| Ouenies de la la de la |
| v) Centralized data access: |
| provides a single sources of fruth for |
| Organizational data: |
| access data too various depts and class !! |
| The state of the s |
| can hardle growing volumes of dala . 10 |
| Organizational expands. |
| 30 VIII) Enhanced Data security: |
| & Centralized manage |
| Security measures |
| Controls access to sonsitive data and onsmes |
| Compliance with regulations |
| |