

CHAPTER 9: DATA GOVERNANCE

QUESTION 1:

In the 'Information Era' rapidly evolving technologies and cutting-edge analytics, where massive amount of data is used everyday to drive critical business processes and decisions, data governance plays a vital role in an organization. Elucidate the various data governance principles that are espoused globally for better analysis, consistent compliances, improved data management and data quality? (JUNE 2024)

Ans:

Data governance involves all measures to ensure data is accurately recorded, readily available when needed, and protected.

Data governance principles:

- (a) Maintaining the integrity of data: Data integrity means using data in ethical ways and only for the purpose for which it was collected.
- (b) Transparency: in every case transparency must always be maintained. This means that whenever data is used all the parties associated with the data must have knowledge regarding how it is being used.
- (c) Accountability and ownership of the data: the ownership of the data must be defined so as to set the accountability.

- (d) Standardization of data: a company's data is used within the company by many teams and there maybe a situation that data in one format might not be relevant for another, hence this principle requires the formation of some guidelines which allows standardization of data.
- (e) Data audit: any decision and process about data that relates to data governance can be audited.
- (f) Stewardship: the principle of stewardship should be adhered and it is essential to appoint a data steward in any organization and the decided rules and regulations must be followed by the data steward.

QUESTION 2:

A well-planned data governance framework covers strategic, tactical, and operational roles and responsibilities. It ensures data is trusted, well-documented, and easy to find within your organization, and that it's also kept secure, compliant, and confidential.' Outline the pillars of data governance framework and its advantages. (DEC 2024)

Ans:

- (a) Data governance involves all measures to ensure data is accurately recorded, readily available when needed, and protected.
- (b) A well planned data governance framework ensures that the data is reliable and the same does not get misused.
- (c) Advantages of data governance framework are as follows:
 - (i) A consistent view of business for data.
 - (ii) A plan that ensures data quality, accuracy, completeness, and consistency.
 - (iii) An ability to understand the location of all data.
 - (iv) A standard format of data that keeps critical business entities aligned across the enterprise.
 - (v) Well-defined methodologies and best practices for data assets.
 - (vi) Easily accessible data that's kept secure, compliant, and confidential.

QUESTION 3:

Distinguish between data governance and data management.

Ans:

Data governance	Data management
It is the process which establishes policies data usage, security and compliance	It is a process which assures that the data is properly captured, managed, used & disposed off.
The focus is to ensure the integrity of the data, accountability and the compliances with the applicable laws.	The focus of data management is on proper collection, preservation and processing of data and providing access to authorized users only.
Data governance provides a framework for managing data which in turn ensures consistency in the project deliverable and reduces errors of using incorrect information.	Effective data management ensures accuracy, efficiency and security of data.
Data stewards or any other compliance officer is generally responsible for the same.	The IT teams or the data base administrator is generally responsible.
Data governance provides policy insights and is generally focused on high level decision making and oversight.	Data management is more operational in nature and relates to practical implementation and execution.
Proper classification of data must be done and it must be decided as to who owns the data	A good practice could be file naming and proper, creating backup and improving data security.