DSO34BT SYSTEM QUESTIONA AND ANSWERS

TRUE/FALSE---------CORRECT ANSWERS ARE IN BRACKETS

* Excepted type is a classification of a Database (TRUE)
* The DBMS serve as the intermediary between the user and the database (TRUE)
* DBMS integrates different users view into a single data repository
* Minimize data inconsistency is not an advantage of a Database (FALSE)
* A table is made up of 2 dimensional structure of rows and columns (TRUE)
* Database that supports data at one site is called “Centralized database”(TRUE)
* Semi structured data is data that has been processed to some extent (TRUE)
* Data redundancy is when the same data is stored at different places (TRUE)
* Hardware, software and procedure are one of the major components of database system (TRUE)
* Model is a representation of an abstraction of more complex real world objects or events (TRUE)
* Entities, attributes, relationships and constraints are not building blocks of data models(FALSE)
* Relationships are bidirectional (TRUE)
* Each column in a relational table has a specific range of values called attributes domains (TRUE)
* A business rule is a precise description of a policy, procedure or principle of an organization(TRUE)
* Each row in a relational table is called a tuple.(TRUE)
* Relational model views data logically rather than physical (TRUE)
* Composite key is composed of ONLY one attribute (FALSE)

DEFINE QUESTIONS AND ANSWERS

Define Database?

Specialized structure that allows computer based system to store, manage and retrieve data quickly

Define Data management

A discipline that focuses on the proper generation, storage and retrieval of data.

Define Data Model

A relatively simple representation of data structure

Define Constraint

Is a restriction placed on data element?

Define Distributed database?

A Database that supports data supports data on multiple sites.

Define Data modelling?

The process of creating a specific data model for a determined problems

Define Physical independence?

Changes in the physical model that does not affect internal model

Define candidate key?

A superkey without unnecessary attributes

List questions

What are the components of DDBMS?[5]

* Computer workstation
* Network hardware and software
* Communication media
* Transaction processer
* Data processer

List the 3 trasparency features of DDBMS?[3]

* Distribution transparency
* Transaction transparency
* Failure transparency

Briefly outline 4 technical roles of a Database administrator

* Maintaning the DBMS utilities and applications
* Operating the DBMS ,utilities and application
* Testing and evaluating database and applications
* Training and supporting users

Briefly outline 2 Database tools that are used to support database analysis and design ?[2]

* Data dictionary
* Case tools

Briefly outline 3 basic Architectural components

* Data store
* Data Query and Analysis tools
* Data Presentation and visualization tools

Briefly list the 3 levels of back up that may be used in database recovery management [6]

* Full back up
* Differential back up
* Transaction log back up

What are the sources of business rules ?[5]

* Department Manager
* Company manager
* Policy makers
* Written documentation
* Company standards

List the 5 activities of a data administrator [5]

* Does the strategic planning
* Set long term goals
* Focuses on long term
* Set policies and standards
* Is broad on scope
* Has a managerial orientation