

Question No: 1 (Marks: 1) - Please choose one

_____ records data by burning microscopic holes in the surface of the disk with a laser.

- ▶ Hard disk
- ▶ RAM
- ▶ **Optical disk** (Page 257) rep
- ▶ Floppy disk

Question No: 2 (Marks: 1) - Please choose one

_____ is a control that presents a set of choices from which a user can select one or more items; items can be text, graphics, or both.

- ▶ Text input
- ▶ Report
- ▶ Button
- ▶ **List box** [Click here for detail](#)

Question No: 3 (Marks: 1) - Please choose one

_____ is a control that enables users to select one option from an associated list; users can also type an option.

- ▶ **Combo box** [click here for detail](#) **rep**
- ▶ Button
- ▶ Text box
- ▶ Static area

Question No: 4 (Marks: 1) - Please choose one

_____ is a control that users click to perform an action, set or toggle a state, or set an option.

- ▶ **Button** [click here for detail](#) **rep**
- ▶ Text box
- ▶ Input form
- ▶ Report

Question No: 5 (Marks: 1) - Please choose one

Which of the following is not true about input forms?

- ▶ Provide an easy, effective, efficient way to enter data into a table
- ▶ Especially useful when the person entering the data is not familiar with the inner workings
- ▶ Provide different controls to add data into the tables
- ▶ **One input forms can populate one table at a time (Page 246) rep**

Question No: 6 (Marks: 1) - Please choose one

Which of the following are the general activities, which are performed during the development of application programs?

- ▶ Data input programs
- ▶ Editing
- ▶ Display
- ▶ **All of given (Page 238) rep**

Question No: 7 (Marks: 1) - Please choose one

Which of the following should not be a property of a database transaction?

- ▶ Atomicity
- ▶ Isolation
- ▶ Durability
- ▶ **Divergence (page 291)**

Question No: 8 (Marks: 1) - Please choose one

The main memory of a computer system is also known as

- ▶ **ROM (Page 256)**
- ▶ PROM
- ▶ Hard disk

Question No: 9 (Marks: 1) - Please choose one

While recovering data, which of the following files does a recovery manager examines at first?

- ▶ A system file
- ▶ **Log file (Page 303) rep**
- ▶ Data dictionary
- ▶ Metadata

Question No: 10 (Marks: 1) - Please choose one

Which of the following is the correct way of removing the Index called branchNoIndex?

- ▶ **DROP INDEX branchNoIndex;**
- ▶ APPEND INDEX branchNoIndex;
- ▶ REMOVE INDEX branchNoIndex;
- ▶ DEL INDEX branchNoIndex;

Question No: 11 (Marks: 1) - Please choose one

What is the alternate name of Data Dictionary?

- ▶ Index
- ▶ Metadata
- ▶ Data
- ▶ **System Catalog [Click here for detail](#) rep**

Question No: 12 (Marks: 1) - Please choose one

The information regarding 'views' and 'Integrity constraints' are found in

- ▶ System Catalog
- ▶ Data Dictionary
- ▶ Indexes
- ▶ **Both Data Dictionary and System Catalog**

Question No: 13 (Marks: 1) - Please choose one

Identify the correct statement.

- ▶ Referential integrity constraints check whether the primary key values are unique.
- ▶ Referential integrity constraints check whether an attribute value lies in the given range.
- ▶ Referential integrity constraints are specified between entities having recursive relationships.
- ▶ **When Referential integrity rules are enforced, a tuple in one relation that refers to another relation must refer to an existing tuple. (Page 134)**

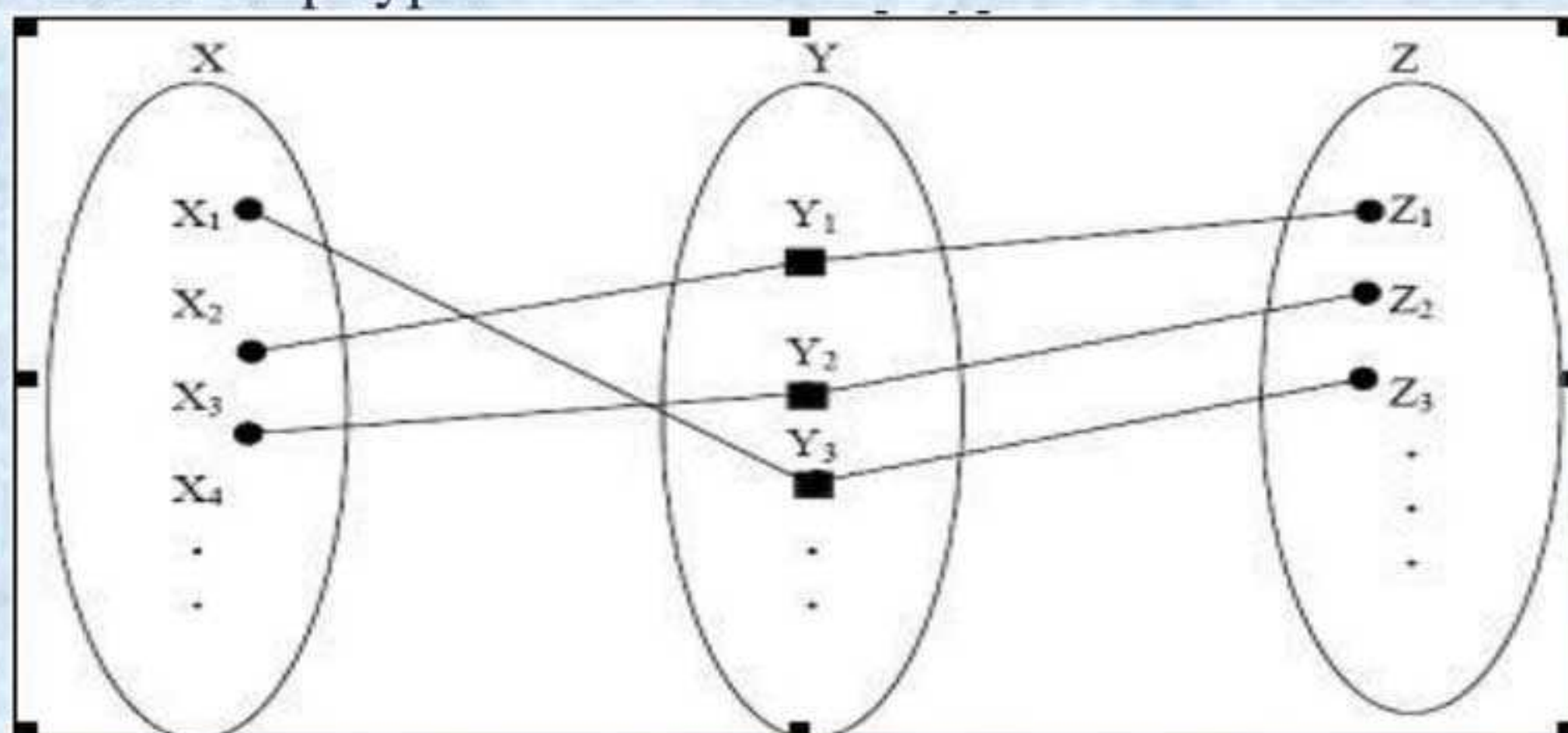
Question No: 14 (Marks: 1) - Please choose one

Select the correct statement among the following on proper naming of schema constructs:

- ▶ Entity type name applies to all the entities belonging to that entity type and therefore a plural name is selected for entity type.
- ▶ **In the narrative description of the database requirements, verbs tend to indicate the names of relationship types.** [Click here for detail](#) [rep](#)
- ▶ **The nouns arising from a database requirement description can be considered as names of attributes.**
- ▶ Additional nouns which are appearing in the narrative description of the database requirements represent the weak entity type names.

Question No: 15 (Marks: 1) - Please choose one

Consider the following diagram depicting a kind of a relationship type where X and Z are entities and Y is a relationship type:



Select the correct statement among the following on the above diagram.

- ▶ **The relationship type Y is of cardinality ratio 1 : N** [Click here for detail](#)
- ▶ The diagram depicts existence dependencies.
- ▶ The participation of X in the Y relationship type is total.
- ▶ The participation of Z in the Y relationship type is partial.

Question No: 16 (Marks: 1) - Please choose one

Identify the correct statement about ANSI/SPARC architecture.

- ▶ The external level is not concerned with individual user perceptions
- ▶ The internal level, in a database system, will always be relational
- ▶ Any given database has exactly one conceptual schema and one physical schema, but it may have several external schemas.
- ▶ **A data definition language is used to define the internal schema.** [Click here for detail](#)

Question No: 17 (Marks: 1) - Please choose one

Which of the following SQL commands deletes a record of an employee with the employee_id 12345, from a table named PERSON.

- ▶ **DELETE FROM person WHERE employee_id = '2345'**
- ▶ DELETE WHERE person FROM employee_id = 12345
- ▶ DROP FROM person WHERE employee_id = 12345
- ▶ DELETE WHERE person WHERE employee_id = 12345

Question No: 18 (Marks: 1) - Please choose one

Which of the following is NOT a feature of a good interface?

- ▶ consistency
- ▶ process based
- ▶ **data structure based (Page 243) rep**
- ▶ user friendly

Question No: 19 (Marks: 1) - Please choose one

Identify the correct statement with respect to normalization.

- ▶ Normalization is a formal technique that can be used only at the starting phase of the database design.
- ▶ Normalization can be used as a top-down standalone database design technique.
- ▶ The process of normalization through decomposition must achieve the lossless join property at any cost whereas the dependency reservation property is sometimes sacrificed.
- ▶ **The process of normalization through decomposition must achieve the dependency reservation property at any cost whereas the lossless join property is sometimes sacrificed.**

Question No: 20 (Marks: 1) - Please choose one

Which of the following concept is applicable with respect to 2NF?

- ▶ Non-transitive dependency
- ▶ **Full functional dependency (Page 167)**
- ▶ Partial dependency
- ▶ Transitive dependency

Question No: 21 (Marks: 1) - Please choose one

Suppose there are 4 fields in a table named CUST (customer_id, first_name, last_name, phone). Which of the following gives all the information of the customers in the table whose last name is ALI?

- ▶ **SELECT * FROM CUST WHERE last_name='ALI'; (Page 216) rep**
- ▶ SELECT * FROM CUST WHERE last_name=ALI;
- ▶ SELECT * FROM CUSTOMER WHERE name=ALI;
- ▶ SELECT * FROM CUSTOMER WHERE last_name=ALI;

Question No: 22 (Marks: 1) - Please choose one

Which of the following is INCORRECT about VIEWS?

- ▶ **It is not possible to left out the data which is not required for a specific view. (Page 280) rep**
- ▶ A database view displays one or more database records on the same page.
- ▶ Views can be used as security mechanisms
- ▶ Views are generally used to focus the perception each user.

Question No: 23 (Marks: 1) - Please choose one

Identify the advantage of DELETE command over TRUNCATE.

- ▶ **Can be Rolled back. [Click here for detail](#)**
- ▶ is DDL Command.
- ▶ cannot activate a trigger.
- ▶ faster and uses fewer system

Question No: 24 (Marks: 1) - Please choose one

Which of the following is true about TRUNCATE?

- ▶ Can be Rolled back.
- ▶ Activates Triggers.
- ▶ is DML Command.
- ▶ **Resets identity of the table. [Click here for detail](#) rep**

Question No: 25 (Marks: 1) - Please choose one

Which of the following statements is true about the views?

- ▶ view is always a complete set of all the tables in a database
- ▶ View can not be used for retrieving data
- ▶ **The results of using a view are not permanently stored in the database. [Click here for detail](#) rep**
- ▶ Rows can not be updated or deleted in the view

Question No: 26 (Marks: 1) - Please choose one

Which of the following statements are Data Definition Language command?

- ▶ INSERT
- ▶ UPDATE
- ▶ GRANT
- ▶ **TRUNCATE [click here for detail](#) rep**

Question No: 27 (Marks: 1) - Please choose one

GRANT SELECT, UPDATE(Designation) ON Employee TO Amali,Hiruni WITH GRANT OPTION;
What does this SQL statement do?

- ▶ Grant permission to Amali,only to retrieve data from Employee table and grant permission to Hiruni, only to update the designation from Employee table.
 - ▶ Grant permission to Amali & Hiruni to retrieve data from Employee table.
 - ▶ Grant permission to Hiruni in order to grant, select and update permission to Amali.
 - ▶ **Grant permission to Amali and Hiruni to update all data except designation in Employee table**
- rep [click here for detail](#)

Question No: 28 (Marks: 1) - Please choose one

Making a change to the conceptual schema of a database but not affecting the existing external schemas is an example of

- ▶ Physical data independence.
- ▶ Concurrency control.
- ▶ **Logical data independence.** [Click here for detail](#) rep
- ▶ Functional dependency
- ▶ Logical data independence.

Question No: 29 Marks: 1) - Please choose one

Browser based forms are developed in the following tools EXCEPT

- ▶ HTML
- ▶ Scripting language
- ▶ Front Page
- ▶ **Web-based Forms** (Page 241) rep

Question No: 30 Marks: 1) - Please choose one

Which of the following statements are Data Manipulation Language command?

- ▶ **INSERT** [Click here for detail](#) rep
- ▶ GRANT
- ▶ TRUNCATE
- ▶ CREATE