

Question # 1 of 30 (Start time: 05:40:25 PM, 28 December 2020)

Logical data independency provides independency to change in _____ model.

Select the correct option



external



logical



conceptual



internal

Question # 2 of 30 (Start time: 05:41:30 PM, 28 December 2020)

Controlling redundancy in a database management system DOES NOT help to _____.

Select the correct option



avoid duplication



avoid unnecessary wastage of storage space



avoid unauthorised access to data



avoid inconsistency among data

Question # 3 of 30 (Start time: 05:41:58 PM, 28 December 2020)

An attribute that is the collection of some other attribute(s) is known as _____ attribute.

Select the correct option



Multi-valued



Single-valued



No-valued



Composite

Question # 4 of 30 (Start time: 05:43:19 PM, 28 December 2020)

Consider the two attributes "CNIC_NO" and "Registration_NO". Both the attributes can be used for the unique identification. Now if the user selects the "CNIC_NO" as primary key, then "Registration_NO" is a _____

Select the correct option



Foreign



Secondary



Primary



Alternate

Question # 5 of 30 (Start time: 05:44:03 PM, 28 December 2020)

Which of the following is incorrect about attributes?

Select the correct option



One entity type may have two attributes with same name.



One entity type cannot have two attributes with same name.



Different entity types may have attributes with the same name.



Name and the domain, are part of an attribute.

Question # 6 of 30 (Start time: 05:45:17 PM, 28 December 2020)

Major benefit of data sharing is _____.

Select the correct option



Data of same applications placed at same place



Data of same applications placed at different places



Data of different application placed at same place



Data of different applications stored at placed place

Question # 7 of 30 (Start time: 05:46:02 PM, 28 December 2020)

Theta join is denoted mathematically as _____.

Select the correct option



$R \bowtie S$



$R \bowtie \theta$



$R \bowtie \theta S$



$R \bowtie \theta R S$

Question # 8 of 30 (Start time: 05:47:43 PM, 28 December 2020)

Database Application is a program which is used for performing certain operations such as _____.

Select the correct option



Insertion of data



Extraction of data



Updating the data



All of above

Question # 9 of 30 (Start time: 05:48:24 PM, 28 December 2020)

Cross Reference Matrix is developed at the _____ stage of the database.

Select the correct option



Analysis



Designing



Implementation



Application

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Analysis



Designing



Implementation



Application

Question # 10 of 30 (Start time: 05:49:07 PM, 28 December 2020)

In an ERD, the focus is on the ____ and the relationships between them.

Select the correct option



attributes



entities



keys



indexes

Question # 11 of 30 (Start time: 05:50:22 PM, 28 December 2020)

Which of the following is not a part of the Database Application Development Process?

Select the correct option



Database Design



Application Programs



Validation



Implementation

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Database Design



Application Programs



Validation



Implementation

Question # 13 of 30 (Start time: 05:53:21 PM, 28 December 2020)

Which of the following is NOT a Key?

Select the correct option



Super key



Alternate key



Integrity constraint key



Primary key

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Select the correct option



Super key



Alternate key



Integrity constraint key



Primary key

Question # 14 of 30 (Start time: 05:54:09 PM, 28 December 2020)

Which of the following is the second stage in the Database Development Process?

Select the correct option



Database Design



Preliminary Study



Physical Design



Requirement Analysis

Question # 15 of 30 (Start time: 05:54:55 PM, 28 December 2020)

_____ is the next stage of conceptual database design.

Select the correct option



Logical database design



Coding



Testing



Deployment

Question # 16 of 30 (Start time: 05:56:34 PM, 28 December 2020)

Which of the following is incorrect related to secondary key?

Select the correct option



Access certain instances by using the value of attribute.



Selected Key must be unique identifier.



May use a non-key attribute to access a certain instance.



It is not necessary for secondary key to return unique instance.

Question # 17 of 30 (Start time: 05:58:25 PM, 28 December 2020)

In natural join the common attribute in the output table appears _____.

Select the correct option



Twice



Three times



Four times



Once

Question # 18 of 30 (Start time: 05:58:56 PM, 28 December 2020)

Duplication of data in controlled redundancy is controlled and _____.

Select the correct option



Deliberate



Necessary



Precise



Unintentional

Question # 19 of 30 (Start time: 05:59:35 PM, 28 December 2020)

Which of the following tool is used to graphically represent the components and design of the system?

Select the correct option



CRM



DFD



CRF



EDF

Question # 19 of 30 (Start time: 05:59:35 PM, 28 December 2020)

Which of the following tool is used to graphically represent the components and design of the system?

Select the correct option



CRM



DFD



CRF



EDF

Question # 20 of 30 (Start time: 06:00:34 PM, 28 December 2020)

We have two entities "Person" and "Doctor". Which of the following is best suitable type of relationship between the mentioned entities?

Select the correct option



Inheritance



Sub type



Super type



Unary

Question # 21 of 30 (Start time: 06:02:01 PM, 28 December 2020)

Which of the following is the correct abbreviation of ERD?

Select the correct option



Entity relationship diagram



Entity relation diagram



Entity reality diagram



Entity real distance

Question # 22 of 30 (Start time: 06:02:25 PM, 28 December 2020)

For third normal form we concentrate on relations with one _____ key, and we eliminate transitive dependencies

Select the correct option



Candidate



Composite



Super key



Primary key

Question # 22 of 30 (Start time: 06:02:25 PM, 28 December 2020)

For third normal form we concentrate on relations with one _____ key, and we eliminate transitive dependencies

Select the correct option



Candidate



Composite



Super key



Primary key

Question # 23 of 30 (Start time: 06:03:32 PM, 28 December 2020)

Which of the following is INCORRECT statement, about database design process?

Select the correct option



During requirements collection and analysis phase, one can gather the data requirements of database users.



By referring to a high level data model, it is possible to understand the data requirements of the users, entity types, relationships and constraints.



Transformation of the high level data model into the implementation data model is called logical design or data model mapping.



During the logical design phase of internal storage structures, access paths and file organization for the database files are specified.

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Question # 24 of 30 (Start time: 06:05:17 PM, 28 December 2020)

A software package designed to store and manages databases is called _____.

Select the correct option



Database



DBMS



Data model



Data

Question # 25 of 30 (Start time: 06:05:52 PM, 28 December 2020)

"Select" and "project" are the examples of _____.

Select the correct option



Unary operations



Binary operations



Ternary operations



Nary operations

Question # 26 of 30 (Start time: 06:06:20 PM, 28 December 2020)

The entity relationship diagram is used to graphically represent the ____ database model.

Select the correct option



condensed



physical



logical



conceptual

Question # 27 of 30 (Start time: 06:07:35 PM, 28 December 2020)

The database management system (DBMS) is used to _____.

Select the correct option



Store the data



Access the data



Manage its users



All of above

Question # 28 of 30 (Start time: 06:07:51 PM, 28 December 2020)

In a three-level DBMS architecture, the _____ level interacts directly with the users.

Select the correct option



external



conceptual



internal



physical

Question # 29 of 30 (Start time: 06:10:05 PM, 28 December 2020)

The process of normalization

Select the correct option



is automatic using a computer program



requires one to understand dependency between attributes



is manual and requires semantic information



is finding the key of a relation

Question # 30 of 30 (Start time: 06:11:55 PM, 28 December 2020)

In Relational Data model, a record or an entity instance is represented as _____ in a relation.

Select the correct option



row



column



value



attribute

Question # 30 of 30 (Start time: 06:11:55 PM, 28 December 2020)

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Select the correct option



row



column



value



attribute