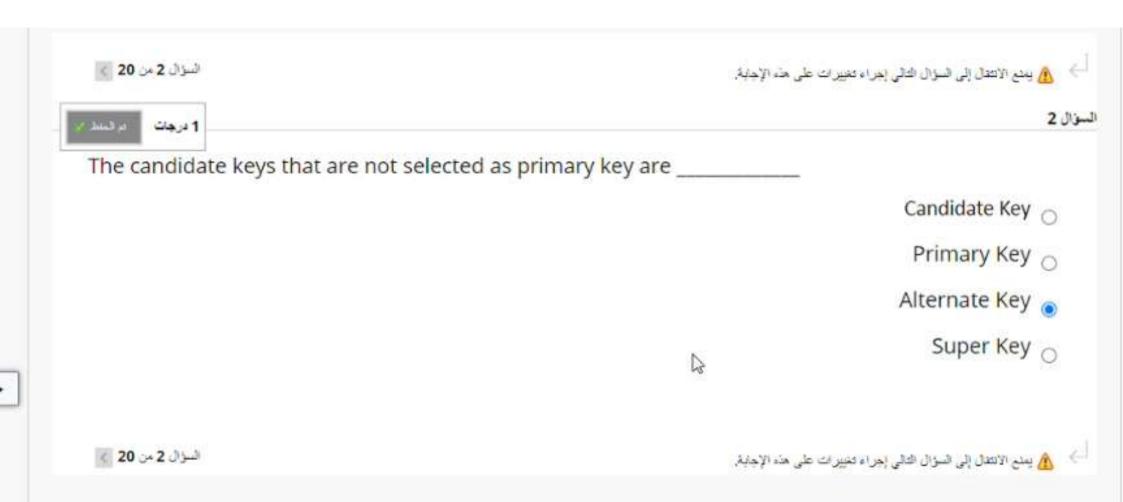**السؤال 1**

تم الحفظ ✓	1 درجات

_____ relation exists when one instance of the first entity (parent) can relate to many instances of the second entity (child), and one instance of the second entity can relate to many instances of the first entity

M – to – 1 ○

1 – to – 1 ○

M – to – M ●

1 – to – M ○

السؤال 2

1 درجات | تم الحفظ ✓

The candidate keys that are not selected as primary key are _____

Candidate Key ⚪

Primary Key ⚪

Alternate Key 🔵

Super Key ⚪

Address: 'House_no: City: State' is:

Derived attribute ○

Multivalued attribute ○

Composite attribute ●

Single attribute ○

السؤال 4

| 1 درجات | حفظ الإجابة |

Weak entity type is the one whose instances can exist independently.

○ صواب
◉ خطأ

السؤال 5

1 درجات   تم الحفظ ✓

In the three-level DBMS architecture, protection of external level from changes at conceptual level is called:

Database Independence ○

Physical data independence ○

None of these ○

Logical data independence ⦿

السؤال 6

1 درجات | حفظ الإجابة

The restrictions placed on the data in the relational database is called_____

Business rules ○

Relationships ○

Constraints ○

All of the answers ✔

السؤال 7

1 درجات   حفظ الإجابة

_____ modeled both data and their relationships in a single structure (object).

Object-Oriented Database Model 🔘

Hierarchical Database Model ⚪

Relational Database Model ⚪

Network Database Model ⚪

السؤال 8

1 درجات	حفظ الإجابة

In the _____ SQL is not supported

All of the answers ○

Network Database Model ⦿

Hierarchical Database Model ○

Relational Database Model ○

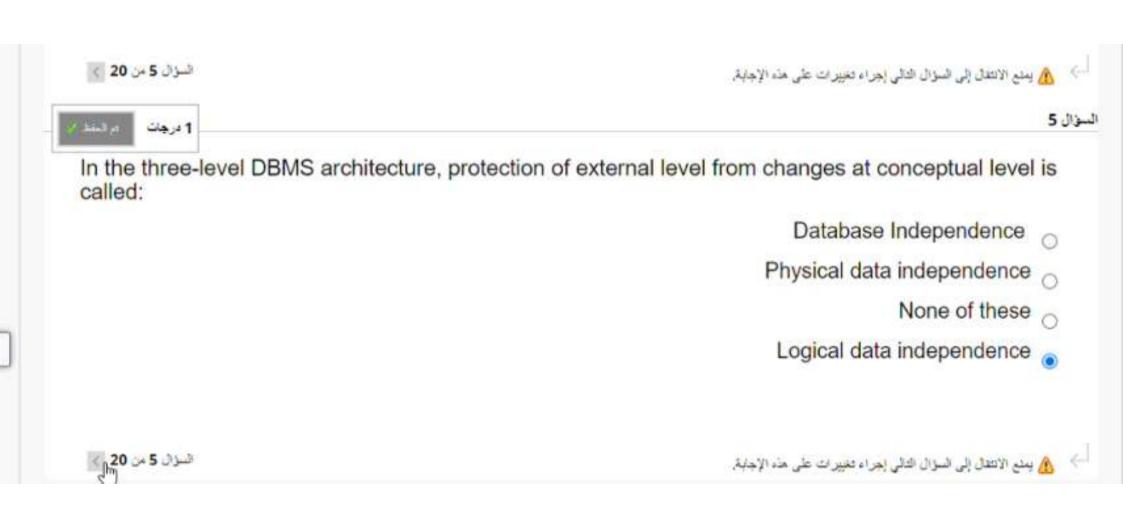يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 9

1 درجات   تم الحفظ ✓

The number of attributes in a relation is called:

Tuple ○

Domain of attribute ○

Degree of relation ●

None of the answers ○

يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 10

1 درجات   حفظ الإجابة

Entity integrity states that the value of a foreign key must either match a candidate key value of some existing tuple in the home relation or be null.

◉ صواب
○ خطأ

السؤال 11

حفظ الإجابة   1 درجات

The set of allowable values for one or more attributes:

None of the answers ○

Domain of attribute ●

Tuple ○

Degree of relation ○

Multivalued attribute phoneNo that can have 1 or more values can be represented using UML notations as **phoneNo{*..1}**

○ صواب
◉ خطأ

⚠ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 13

1 درجات   حفظ الإجابة

Conceptual

In Logical Database Design Phase, there are two design strategies: top-down and bottom-up.

○ صواب
● خطأ

The outcome of the _____ phase is an entity-relationship diagram

Logical Design ⬤

Physical Design ◯

Requirement analysis ◯

Conceptual Design ◯

⚠ يمنع الانتقال إلى السؤال التالي إجراء تغييرات على هذه الإجابة.

السؤال 15

حفظ الإجابة | 1 درجات

One of the f actors that affect DBMS purchasing decision is cost.

● صواب
○ خطأ

السؤال 16

إر الحفظ ✓ | 1 درجات

In the database development process, business rules are clarified in _____ Phase.

Conceptual Design ○

Physical Design ○

Requirement Analysis ●

Logical Design ○

السؤال 17

1 درجات   حفظ الإجابة

In file-based systems, <u>A flat file</u> is a file containing records that have no structured interrelationship

🔘 صواب
⚪ خطأ

1 درجات   حفظ الإجابة

Limitations of file-based systems are:

Program-Data Independence ○

None of these answers ◉

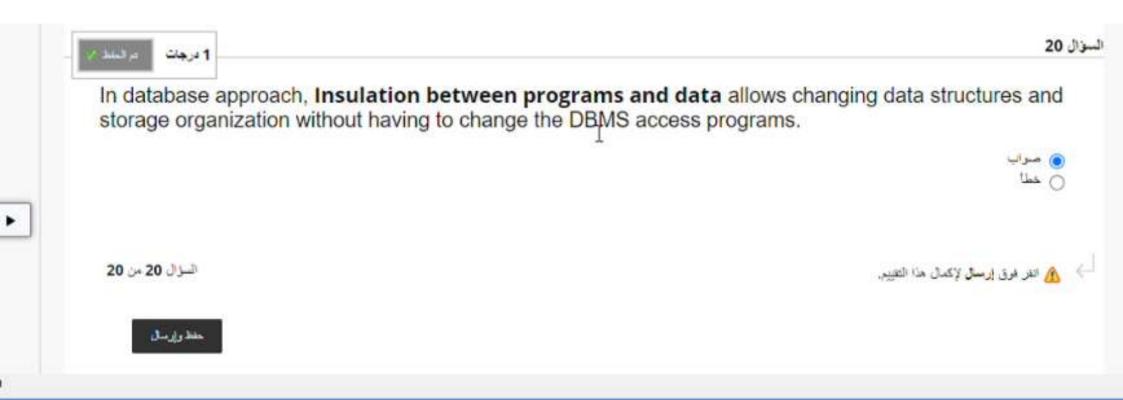Data Consistency ○

Data Sharing ○

السؤال 19

1 درجات   ✔ تم الحفظ

Data integrity and data consistency are the basis of the following DBMS function:

Data Storage Management ◯

Multiuser Access Control ◉

Security Management ◯

Data Dictionary Management ◯

1 درجات   تم الحفظ ✓

In database approach, **Insulation between programs and data** allows changing data structures and storage organization without having to change the DBMS access programs.

◉ صواب
○ خطأ

السؤال 20 من 20

⚠ انقر فوق إرسال لإكمال هذا التقييم.

حفظ وإرسال

Question 1

A null is not the same as a zero numeric value or a text string filled with spaces.

- ⦿ True
- ◯ False

Question 2

The number of attributes in a relation is called:

- ○ None of the answers

- ○ Tuple

- ● Degree of relation

- ○ Domain of attribute

Question 3

1 points ✔ Saved

Entity integrity states that the value of a foreign key must either match a candidate key value of some existing tuple in the home relation or be null.

○ True
⦿ False

Question 4

Derived attribute age can be represented using UML notations as \age

- ⦿ True
- ◯ False

Question 5

SQL is the least common query language supported by the majority of DBMS.

○ True
⦿ False

⚠ Moving to the next question prevents changes to this answer.

Question 6

Limitations of file-based systems are:

○ Data Sharing

○ Data Consistency

◉ None of these answers

○ Program-Data Independence

Question 7

In file-based systems, <u>A flat file</u> is a file containing records that have no structured interrelationship

- ● True
- ○ False

Question 7

In file-based systems, <u>A flat file</u> is a file containing records that have no structured interrelationship

- ● True
- ○ False

Question 8

The DBMS software together with the data itself. Sometimes, the applications are also included is called _____

○ Database Model

○ Database Schema

◉ Database System

○ Database Management System

Question 9

_____ relation exists when one instance of the first entity (parent) can relate to many instances of the second entity (child), and one instance of the second entity can relate to many instances of the first entity

○ M – to – 1

◉ M – to – M

○ 1 – to – 1

○ 1 – to – M

Question 10

The number of instances of one entity type that may be associated with each instance of the other entity type:

- ○ None of the answers
- ◉ Cardinality of relationship
- ○ Binary relationship
- ○ Ternary relationship

Question 11

The candidate keys that are not selected as primary key are _____

○ Primary Key

○ Candidate Key

◉ Alternate Key

○ Super Key

⚠ Moving to the next question prevents changes to this answer.

Question 12

Weak entity type is the one whose instances can exist independently.

○ True
◉ False

⚠ Moving to the next question prevents changes to this answer.

Question 13

Difficult to represent *Many to 1* or *Many to Many* relationships in the _____

○ Network Database Model

○ Semantic Database Model

○ Relational Database Model

◉ Hierarchical Database Model

Question 14

In the three-level DBMS architecture, protection of Conceptual Level from changes at Internal Level is called **Physical Data Independence**

- ● True
- ○ False

Question 15

In the three-level DBMS architecture, protection of external level from changes at conceptual level is called:

○ Database Independence

◉ Logical data independence

○ Physical data independence

○ None of these

Question 16

In the ERD the relationship between the attributes may be _____

- ○ One to Many
- ○ Many to Many
- ● None of these
- ○ One to One

Question 17

The outcome of the _____ phase is an entity-relationship diagram

- ○ Physical Design
- ○ Requirement analysis
- ⦿ Conceptual Design
- ○ Logical Design

Question 18

In Logical Database Design Phase, there are two design strategies: top-down and bottom-up.

○ True
● False

Question 20

In the database development process, business rules are clarified in _____ Phase.

- ○ Logical Design
- ○ Physical Design
- ● Requirement Analysis
- ○ Conceptual Design

Question 17

1 points | Save Answer

Difficult to represent *Many to 1* or *Many to Many* relationships in the _____

⦿ Hierarchical Database Model

○ Relational Database Model

○ Semantic Database Model

○ Network Database Model

Question 19

1 points ✓ Saved

_____ modeled both data and their relationships in a single structure (object).

○ Relational Database Model

◉ Object-Oriented Database Model

○ Network Database Model

○ Hierarchical Database Model

Question 18

1 points   Save Answer

In the three-level DBMS architecture, protection of Conceptual Level from changes at Internal Level is called **Physical Data Independence**

◉ True
○ False

Question 13   **1 points**   Save Answer

The candidate keys that are not selected as primary key are _____

◉ Alternate Key

○ Primary Key

○ Super Key

○ Candidate Key

⚠ Click **Submit** to complete this assessment.

Question 20

1 points   ✓ Saved

In the three-level DBMS architecture, protection of external level from changes at conceptual level is called:

○ Database Independence

○ None of these

◉ Logical data independence

○ Physical data independence

⚠ Click **Submit** to complete this assessment.

Question **20** of **20**

Save and Submit

⤷ ⚠ Moving to the next question prevents changes to this answer.

Question 15

_____ relation exists when one instance of the first entity (parent) can relate to many instances of the second entity (child), and one instance of the second entity can relate to many instances of the first entity

○ M – to – 1

◉ M – to – M

○ 1 – to – 1

○ 1 – to – M

⤷ ⚠ Moving to the next question prevents changes to this answer.

Question 16

1 points   ✓ Saved

None of the _____ 's attributes can have NULL values

- ⦿ Primary Key
- ○ Alternate Key
- ○ Candidate Key
- ○ Super Key

Question 14

1 points   Save Answer

Address: 'House_no: City: State' is:

- ◉ Composite attribute
- ○ Derived attribute
- ○ Single attribute
- ○ Multivalued attribute

Question 8

1 points   ✔ Saved

The DBMS software together with the data itself. Sometimes, the applications are also included is called _____

○ Database Management System

◉ Database System

○ Database Model

○ Database Schema

Question 10

1 points　　✓ Saved

In the database development process, business rules are clarified in _____ Phase.

○ Physical Design

◉ Requirement Analysis

○ Logical Design

○ Conceptual Design

⤷ ⚠ Moving to the next question prevents changes to this answer.   Question **9** of **20** ⟩

Question 9   1 points   ✓ Saved

One of the f actors that affect DBMS purchasing decision is cost.

◉ True
○ False

⤷ ⚠ Moving to the next question prevents changes to this answer.   Question **9** of **20** ⟩

Question 12

| | 1 points | Save Answer |

The outcome of the _____ phase is an entity-relationship diagram

○ Logical Design

○ Physical Design

○ Requirement analysis

◉ Conceptual Design

Question 7

1 points ✓ Saved

Limitations of file-based systems are:

- ○ Data Sharing
- ◉ None of these answers
- ○ Data Consistency
- ○ Program-Data Independence

⤷ ⚠ Moving to the next question prevents changes to this answer.

Question **11** of **20** ›

Question 11

1 points ✓ Saved

In Logical Database Design Phase, there are two design strategies: top-down and bottom-up.

○ True
◉ False

⤷ ⚠ Moving to the next question prevents changes to this answer.

Question **11** of **20** ›