Select one: a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute section 2 True True True True True True	Start	e d on Friday, 27 April 2018, 2:32 PM
Time taken 1 hour 52 mins Marks 38.00/46.00 Grade 33.04 out of 40.00 (83%) An artificial column added to a relation to serve as the primary key is a Select one: a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute served. Select one:		State Finished
Marks 38.00/46.00 Grade 33.04 out of 40.00 (83%) An artificial column added to a relation to serve as the primary key is a ——— Select one: a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute select one: Select one: Select one: True	Complet	e d on Friday, 27 April 2018, 4:24 PM
An artificial column added to a relation to serve as the primary key is a Correct Mark 1.00 out of 1.00 An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An artificial column added to a relation to serve as the primary key is a Correct An arti	Time	aken 1 hour 52 mins
An artificial column added to a relation to serve as the primary key is a Wark 1.00 out of 1.00 An artificial column added to a relation to serve as the primary key is a Select one: a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute Select one: Select one: True True True True	P	larks 38.00/46.00
Select one: a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute Select one: Select one: Cuestion 2 In relational terms as defined by E.F. Codd, a column is called an attribute Select one: Select one:	(rade 33.04 out of 40.00 (83%)
Select one: a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute Select one: Select one: True True True True	Question 1	An artificial column added to a relation to serve as the primary key is a
Select one: a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribut Select one: Select one: True True True	Correct	·
a. candidate key b. surrogate key c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute Select one: True True		Select one:
c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute Select one: True (1.00	a. candidate key
c. foreign key d. composite key In relational terms as defined by E.F. Codd, a column is called an attribute Select one: True True		b. surrogate kev ✓
d. composite key Question 2 In relational terms as defined by E.F. Codd, a column is called an attribut Select one:		
Question 2 In relational terms as defined by E.F. Codd, a column is called an <i>attribut</i> Correct Mark 1.00 out of		
Correct Select one:		d. composite key
Select one:		In relational terms as defined by E.F. Codd, a column is called an <i>attribute</i> .
True .		Select one:
1 ()()	Mark 1.00 out of 1.00	● True
False	1.00	

Question 3	Saying that two entities are functionally dependent means that
Correct	Select one:
Mark 1.00 out of 1.00	 a. for both of the entities, if we are given the value of one entity, we can determine the value of the other entity
	 b. the functional dependency will have to be removed through normalization
	c. the entities are always connected by a mathematical equation
	 d. for one of the entities, if we are given the value of that entity, we can determine the value of one other entity
Question 4	If a relation is in BCNF, and each multivalued dependency has been moved to a relation of its own, then the first relation is in
Incorrect Mark 0.00 out of	to a relation of its own, then the instruction in
1.00	Select one:
	a. Third Normal Form 💢
	b. Domain/key normal form
	c. Boyce-Codd Normal Form
	d. Fourth Normal Form
Question 5	Which of the following is not true about a <i>relation?</i>
Correct	Select one:
Mark 1.00 out of 1.00	a. Has rows containing data about an entity
1100	b. Has cells that hold only a single value
	c. Has columns containing data about attributes of the entity
	■ d. Can have two identical rows
Question 6 Correct	Given the functional dependency A \rightarrow (B, C), then it is true that A \rightarrow B and A \rightarrow C.
Mark 1.00 out of	Solost and
1.00	Select one:
	O False
	raise

Question 7 Correct	A key consisting of one or more columns that is a primary key in another relation is a
Mark 1.00 out of	
1.00	Select one:
	a. composite key
	● b. foreign key ✓
	c. surrogate key
	O d. candidate key
Question 8	Candidate keys are called interlocking candidate keys when they share one or more attributes.
Correct	or more attributes.
Mark 1.00 out of	Select one:
1.00	O True
	● False ✓
Question 9	A key can be composed of a group of attributes taken together.
Correct	Select one:
Mark 1.00 out of 1.00	True ✓
1.00	O False
Question 10	A combination key is a group of attributes that uniquely identifies a row.
Correct	Select one:
Mark 1.00 out of	O True
1.00	
	● False ✓

Question 11	A table that meets the definition of a relation is in
Correct	Select one:
Mark 1.00 out of 1.00	a. Second Normal Form
1.00	b. Boyce-Codd Normal Form
	c. Third Normal Form
	● d. First Normal Form
Question 12	A relation is in domain/key normal form if
Correct	Select one:
Mark 1.00 out of 1.00	a. every key of the relation is a logical consequence of the definition of constraints and domains
	 b. every key of the relation is a logical consequence of the definition of constraints and determinants
	 c. every constraint on the relation is a logical consequence of the definition of keys and domains
	 d. every constraint on the relation is a logical consequence of the definition of keys and determinants
_	
Question 13 Correct	A relation is in third normal form (3NF) if and only if it is in 2NF and
Mark 1.00 out of	Select one:
1.00	a. every candidate key is a determinant
	b. all non-key attributes are determined by the entire primary key
	c. every attribute is a candidate key
	 d. there are no non-key attributes determined by another non-key attribute
	attribute 🗸

ncorrect	data about another entity, this is referred to as a
Mark 0.00 out of 1.00	Select one:
1.00	■ a. update anomaly ★
	b. deletion anomaly
	c. insertion anomaly
	d. normalization anomaly
Question 15	A determinant of a functional dependency may or may not be unique in a
Correct	relation.
Mark 1.00 out of 1.00	Select one:
	● True ✓
	O False
Question 16	Every time we break up a relation during the normalization process, we
Correct	may have to create a referential integrity constraint.
Mark 1.00 out of 1.00	Select one:
	● True
	O False
Question 17	A relation is in Boyce-Codd normal form (BCNF) if and only if it is in 3NF
Correct	and
Mark 1.00 out of	Select one:
1.00	■ a. every determinant is a candidate key ✓
	b. all non-key attributes are determined by the entire primary key
	c. every attribute is a candidate key
	d. there are no non-key attributes determined by another non-key

Question 18 Correct Mark 1.00 out of 1.00	A candidate key is one of a group of keys that may serve as the primary key in a relation. Select one: True False
Question 19 Correct Mark 1.00 out of 1.00	Surrogate keys are normally not shown on forms or reports. Select one: True False
Question 20 Correct Mark 1.00 out of 1.00	The only reason(s) for having relations is to Select one: a. Both store equation components and store equation results are correct b. store instances of functional dependencies c. store equation components d. store equation results
Question 21 Incorrect Mark 0.00 out of 1.00	Relations are classified into <i>normal forms</i> based on the types of modification anomalies that they are vulnerable to. Select one: True False

Question 22	A referential integrity constraint limits the values of a foreign key.
Correct	Select one:
Mark 1.00 out of 1.00	● True ✓
	O False
Question 23	When designing a database, one of the candidate keys in a relation is
Correct	selected as the
Mark 1.00 out of	Select one:
1.00	a. composite key
	b. surrogate key
	⊙ c. primary key ✓
	od. foreign key
Question 24 Incorrect Mark 0.00 out of 1.00	 Which of the following is true about the functional dependency (A, B) → (C, D)? Select one: a. A and B together are determined by C and D together.
	b. C and D together determine A.c. A is the determinant of C.d. A and B together determine D.
Question 25 Incorrect Mark 0.00 out of	 c. A is the determinant of C. d. A and B together determine D. A defining requirement for Boyce-Codd Normal Form (BCNF) is that every candidate key must be a determinant.
Incorrect	 c. A is the determinant of C. d. A and B together determine D. A defining requirement for Boyce-Codd Normal Form (BCNF) is that every

Question 26 Correct	Any table that meets the definition of a relation is said to be in first normal form (1NF).
Mark 1.00 out of 1.00	Select one: ■ True ✓
	O False
Question 27 Correct	A surrogate key is an artificial column that is added to a relation to be its primary key.
Mark 1.00 out of 1.00	Select one: ■ True ✓
	O False
Question 28 Incorrect	Which of the following is true for a <i>relation?</i>
Mark 0.00 out of	Select one: a. The order of the rows is unimportant.
1.00	b. Entities in a column vary as to kind.
	c. The order of the columns is important. X
	d. More than one column can use the same name.
Question 29 Correct	A row can be uniquely identified by a key.
Mark 1.00 out of	Select one:
1.00	● True ✓
	False

Question 30	A <i>relation</i> is also known as a
Correct	Salart and
Mark 1.00 out of 1.00	Select one: ■ a. table ✓
1.00	b. relationship
	c. tuple
	d. attribute
	d. dttribate
Question 31	In relational terms as defined by E.F. Codd, a row is called a <i>tuple</i> .
Correct	Select one:
Mark 1.00 out of	• True
1.00	O False
	T disc
Question 32	A deletion anomaly exists when deleting data about one entity results in
Correct	the loss of data about another entity.
Mark 1.00 out of 1.00	Select one:
1.00	● True
	O False
Question 33	A <i>tuple</i> is also known as a
Correct	Select one:
Mark 1.00 out of	Select one: a. field
	a. field
Mark 1.00 out of	a. fieldb. table
Mark 1.00 out of	a. field

Question 34	Given the functional dependency A \rightarrow B, then it is necessarily true that B \rightarrow
Correct	A.
Mark 1.00 out of	Select one:
1.00	O True
	● False ✓
Question 35	A combination of two or more columns used to identify particular rows in
Correct	a relation is a
Mark 1.00 out of	Select one:
1.00	a. surrogate key
	o b. foreign key
	o c. composite key ✓
	O d. record
Mark 1.00 out of 1.00	Select one: a. First Normal Form b. Third Normal Form c. Second Normal Form d. Boyce-Codd Normal Form
Question 37	A functional dependency is a relationship between attributes such that if
Correct	we know the value of one attribute, we can determine the value of the
Mark 1.00 out of	other attribute.
1.00	Select one:
1.00	Select one: True ✓

Question 38 Correct	The condition that a non-key attribute determines another non-key attribute is known as transitive dependency.
Mark 1.00 out of 1.00	Select one: True ✓
	O False
Question 39 Correct	Functional dependencies can involve groups of attributes.
Mark 1.00 out of 1.00	Select one: ■ True ✓
1.00	O False
Question 40	Having to enter facts about two entities when we want to enter facts about
Correct	only one is an example of
Mark 1.00 out of 1.00	Select one:
	a. deletion anomaly
	b. normalization anomaly
	● c. insertion anomaly
	od. update anomaly
Question 41	A relation is in second normal form (2NF) if and only if it is in 1NF and
Incorrect	·
Mark 0.00 out of 1.00	Select one:
	 a. there are no non-key attributes determined by another non-key attribute
	b. every attribute is a candidate key
	● c. every candidate key is a determinant ★
	d. all non-key attributes are determined by the entire primary key

Question 42 Correct	Attribute Y is functionally dependent on attribute X if the value of attribute X determines the value of Y.
Mark 1.00 out of 1.00	Select one: ■ True ✓
	O False
Question 43 Correct	The columns of a relation are sometimes called <i>tuples</i> . Select one:
Mark 1.00 out of 1.00	○ True • False ✓
Question 44 Correct Mark 1.00 out of 1.00	When designing or normalizing relations, each relation should have only one theme. Select one: True ✓ False
Question 45 Incorrect	A relation that is in domain/key normal form is assured to be free from all anomalies.
Mark 0.00 out of 1.00	Select one: True False
Question 46 Correct	In the functional dependency shown as A \rightarrow B, B is the determinant.
	Select one: