

CS-403 Final Term Exams Preparation Virtual University

Sr	Questions	Answers Choice
1	Select the correct statement among the following	<p>A. When different entity types participate only once in a single relationship type it is called a recursive relationship</p> <p>B. Role names are not technically necessary in relationship types when all the participating entity types are distinct</p> <p>C. Cardinality ratios for binary relationship are displayed on Entity Relationship Diagrams by using a diamond shape notation</p> <p>D. Partial participation which is also called existence dependency is displayed as a double line connecting the participating entity type to the relationship .</p>
2	Select the correct statement among the following on proper naming of schema constructs:	<p>A. Entity type name applies to all the entities belonging to that entity type and therefore a plural name is selected for entity type.</p> <p>B. In the narrative description of the database requirements, verbs tend to indicate the names of relationship types.</p> <p>C. The nouns arising from a database requirement description can be considered as names of attributes</p> <p>D. Additional nouns which are appearing in the narrative description of the database requirements represent the weak entity type names.</p>
3	Making a change to the conceptual schema of a database but not affecting the existing external schemas is an example of	<p>A. Physical data independence</p> <p>B. Concurrency control.</p> <p>C. Logical data independence.</p> <p>D. Functional dependency</p>
4	Identify the operation which is NOT one of the parts of the five basic set operations in relational algebra?	<p>A. Join</p> <p>B. Union</p> <p>C. Cartesian Product</p> <p>D. Set Difference</p>
5	In a conceptual database model, which of the following most likely represents a valid identifier for a class grades?	<p>A. StudentID</p> <p>B. StudentID, CourseID</p> <p>C. StudentID, CourseID, InstructorID</p> <p>D. StudentID, CourseSectionID</p>
6	Which one is true regarding relation?	<p>A. Every attribute value Non atomic</p> <p>B. Attribute in table may not have unique name</p> <p>C. table order of the column is relevant</p> <p>D. the order of the rows is irrelevant</p>
7	Description on particular collection of data using data model	<p>A. Schema</p> <p>B. Relation</p> <p>C. Data base</p> <p>D. None of the above</p>
8	Which of the following concepts is applicable with respect to 3NF	<p>A. Full functional dependency</p> <p>B. Any kind of dependency</p> <p>C. Transitive dependency</p> <p>D. Partial functional dependency</p>
9	Identify the operation which is NOT one of the parts of the five basic set operations in relational algebra?	<p>A. Join</p> <p>B. Union</p> <p>C. Cartesian Product</p> <p>D. Set Difference</p>
10	Consider two sets A and B. A contains 2 elements and B contains 3. How many elements do their cartesian product contains?	<p>A. 6</p> <p>B. 9</p> <p>C. 5</p>

their cartesian product contains:

C. 3
D. 4