

## CS-403 Final Term Exams Preparation Virtual University

Sr	Questions	Answers Choice
1	Identify the factor which enforces a relation in 3NF?	<p>A. Every non-key attribute is fully functionally dependent on primary key</p> <p>B. Every non-key attribute is partially dependent on super key</p> <p>C. The domain of attribute must include only atomic values.</p> <p>D. Every non-key attribute is non-transitively dependent on primary key.</p>
2	Which of the following concepts is applicable with respect to 2NF?	<p>A. Full functional dependency</p> <p>B. Any kind of dependency</p> <p>C. Transitive dependency</p> <p>D. Non-transitive dependency</p>
3	A superkey that does not contain a subset of attributes that is itself a superkey is called a _____.	<p>A. candidate key</p> <p>B. primary key</p> <p>C. superkey</p> <p>D. secondary key</p>
4	A collection of concepts that can be used to describe the structure of a database	<p>A. Database</p> <p>B. DBMS</p> <p>C. Data model</p> <p>D. Data</p>
5	A collection of related data is	<p>A. Logical model</p> <p>B. Database</p> <p>C. Data</p> <p>D. Relational model</p>
6	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	<p>A. The relationship type Y is of cardinality ratio 1 : N</p> <p>B. The diagram depicts existence dependencies</p> <p>C. The participation of X in the Y relationship type is total</p> <p>D. The participation of Z in the Y relationship type is partial.</p>
7	Which of the following is INCORRECT statement concerning the database design process?	<p>A. During requirements collection and analysis phase, one can gather the data requirements of database users.</p> <p>B. By referring to a high level data model, it is possible to understand the data requirements of the users, entity types, relationships and constraints.</p> <p>C. Transformation of the high level data model into the implementation data model is called logical design or data model mapping</p> <p>D. During the logical design phase of internal storage structures, access paths and file organization for the database files are specified.</p>
8	Which of the following is correct?	<p>A. The relation Interview is in 3NF</p> <p>B. The relation Interview is in BCNF.</p> <p>C. The FD3 violates 3NF.</p> <p>D. The FD2 violates 2NF</p>
9	Which of the following constraints enforces referential integrity?	<p>A. FOREIGN KEY</p> <p>B. CHECK</p> <p>C. PRIMARY KEY</p> <p>D. UNIQUE</p>
10	Which feature of database provides conversion from inconsistent state of DB to a consistent state ensuring minimum data loss? Select correct option:	<p>A. User accessible catalog</p> <p>B. Data processing</p> <p>C. Recovery service</p> <p>D. Authorization service</p>