|  |
| --- |
| The \_\_\_\_\_\_\_\_\_\_ component of a DSS is used to extract and validate the data taken from the operational database and the external data sources. |
| |  |  | | --- | --- | | Selected Answer: | Correct  data extraction and data filtering | | Correct Answer: | Correct  data extraction and data filtering | |

* **Question 2**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  A table can be considered to be in 2NF when it is in 1NF and contains no partial dependencies. | | Correct Answer: | Correct  A table can be considered to be in 2NF when it is in 1NF and contains no partial dependencies. | |  |  |  |

* **Question 3**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | More than likely, a data modeling checklist would state that \_\_\_\_\_\_\_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  all entities should be in 3NF or higher | | Correct Answer: | Correct  all entities should be in 3NF or higher | |  |  |  |

* **Question 4**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Procedures and standards must be revised at least \_\_\_\_ to keep them up-to-date. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  annually | | Correct Answer: | Correct  annually | |  |  |  |

* **Question 5**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In the \_\_\_\_\_\_\_\_\_\_ phase of data mining, the main data sets to be used are identified and cleansed of any data impurities. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  data preparation | | Correct Answer: | Correct  data preparation | |  |  |  |

* **Question 6**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following types of backup measures is also referred to as a dump of the database? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  differential | | Correct Answer: | Correct  full | |  |  |  |

* **Question 7**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | “All users must have passwords” is an example of a \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  policy | | Correct Answer: | Correct  policy | |  |  |  |

* **Question 8**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The XML \_\_\_\_\_\_\_\_\_\_ is an advanced data definition language that is used to describe the structure of XML data documents. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  schema | | Correct Answer: | Correct  schema | |  |  |  |

* **Question 9**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The implementation phase of database development includes the creation of a \_\_\_\_\_\_\_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  database storage structure | | Correct Answer: | Correct  database storage structure | |  |  |  |

* **Question 10**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The ROLLUP extension is used with the \_\_\_\_\_\_\_\_\_\_ clause to generate aggregates by different dimensions. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  GROUP BY | | Correct Answer: | Correct  GROUP BY | |  |  |  |

* **Question 11**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A \_\_\_\_ is a named collection of database access privileges that authorize a user to connect to the database and use the database system resources. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  role | | Correct Answer: | Correct  role | |  |  |  |

* **Question 12**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The selected primary key must not be composed of any attribute(s) that might be considered a security risk or violation. For example, using a Social Security number as a PK in an EMPLOYEE table is not a good idea.This rationale belongs to \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Security complaint | | Correct Answer: | Correct  Security complaint | |  |  |  |

* **Question 13**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The initial assessment and the feasibility study are part of the SDLC's \_\_\_\_ phase. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  planning | | Correct Answer: | Correct  planning | |  |  |  |

* **Question 14**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Coding, testing, and debugging are part of the \_\_\_\_ phase. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  implementation | | Correct Answer: | Correct  implementation | |  |  |  |

* **Question 15**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A(n) \_\_\_\_ backup produces a backup of all data since the last backup date. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  full | | Correct Answer: | Correct  incremental | |  |  |  |

* **Question 16**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | “Should the existing system be replaced?” is a question that is asked during the \_\_\_\_ stage of the SDLC. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  planning | | Correct Answer: | Correct  planning | |  |  |  |

* **Question 17**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The relational database makes it possible to control data redundancies by using common attributes that are shared by tables, called \_\_\_\_\_\_\_\_\_\_ keys. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  foreign | | Correct Answer: | Correct  foreign | |  |  |  |

* **Question 18**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  A high-quality DBMS guarantees a high-quality information system. | | Correct Answer: | Correct  The introduction of a DBMS cannot be accomplished without affecting an organization. | |  |  |  |

* **Question 19**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Whatever the type of organization, the database’s predominant role is to *\_\_\_\_.* |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  support managerial decision-making | | Correct Answer: | Correct  support managerial decision-making | |  |  |  |

* **Question 20**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The database is loaded during the \_\_\_\_ phase of the SDLC. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  implementation | | Correct Answer: | Correct  implementation | |  |  |  |

* **Question 21**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The objective of concurrency control is to ensure the \_\_\_\_\_\_\_\_\_\_ of transactions in a multiuser database environment. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  serializability | | Correct Answer: | Correct  serializability | |  |  |  |

* **Question 22**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  A primarily bottom-up approach may be more productive for situations in which the number, variety, and complexity of entities, relations, and transactions is overwhelming. | | Correct Answer: | Correct  Top-down and bottom-up design strategies are complementary. | |  |  |  |

* **Question 23**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  Disjoint subtypes are subtypes that contain nonunique subsets of the supertype entity set. | | Correct Answer: | Correct  Implementing overlapping subtypes requires the use of one discriminator attribute for each subtype. | |  |  |  |

* **Question 24**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A(n) \_\_\_\_\_\_\_\_\_\_ is the attribute's set of possible values. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  domain | | Correct Answer: | Correct  domain | |  |  |  |

* **Question 25**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following types of locks is now considered too restrictive to yield optimal concurrency conditions? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  binary lock | | Correct Answer: | Correct  binary lock | |  |  |  |

* **Question 26**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Classifying users into \_\_\_\_, according to common access needs, facilitates the DBA’s job of controlling and managing the access privileges of individual users. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  user groups | | Correct Answer: | Correct  user groups | |  |  |  |

* **Question 27**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following items would serve as the best example of a suitable EmployeeID for a human resources database? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  MaryJaneSmith01 | | Correct Answer: | Correct  M9800 | |  |  |  |

* **Question 28**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the conceptual design steps identifies main processes: insert, update, and delete rules? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Data-model verification | | Correct Answer: | Correct  Data-model verification | |  |  |  |

* **Question 29**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Instructions to create a password are an example of a \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  procedure | | Correct Answer: | Correct  procedure | |  |  |  |

* **Question 30**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a database design, end-user requirements consist of performance, security, shared access, and \_\_\_\_\_\_\_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  data integrity | | Correct Answer: | Correct  data integrity | |  |  |  |

* **Question 31**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  In the wound/die scheme, if the transaction requesting the lock is the younger of the two transactions, it will wait until the other transaction is completed and the locks are released. | | Correct Answer: | Correct  In the wait/die scheme, if the transaction requesting the lock is the younger of the two transactions, it will die (roll back); it is rescheduled using the same time stamp. | |  |  |  |

* **Question 32**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A \_\_\_\_ occurs when a relationship is improperly or incompletely identified and, therefore, is represented in a way that is not consistent with the real world. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  design trap | | Correct Answer: | Correct  design trap | |  |  |  |

* **Question 33**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | \_\_\_\_\_\_\_\_\_\_ is the database transaction property which requires that all operations (SQL requests) of a transaction be completed; if not, the transaction is aborted. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Atomicity | | Correct Answer: | Correct  Atomicity | |  |  |  |

* **Question 34**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The primary key's main function is to uniquely identify a(n) \_\_\_\_ within a table. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  entity instance or row | | Correct Answer: | Correct  entity instance or row | |  |  |  |

* **Question 35**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Problems defined during the planning phase are examined in greater detail during the \_\_\_\_\_\_\_\_\_\_ phase of the SDLC. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  analysis | | Correct Answer: | Correct  analysis | |  |  |  |

* **Question 36**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | At the level of top management, the database must be able to \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  provide access to external and internal data to identify growth opportunities and to chart the direction of such growth | | Correct Answer: | Correct  provide access to external and internal data to identify growth opportunities and to chart the direction of such growth | |  |  |  |

* **Question 37**

0 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Incorrect  At the top management level, the database must be able to produce query results within specified performance levels. | | Correct Answer: | Correct  Tactical decisions involve a longer time frame than operational decisions and affect larger-scale operations. | |  |  |  |

* **Question 38**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which key is an attribute that is solely used for data retrieval purposes? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  secondary key | | Correct Answer: | Correct  secondary key | |  |  |  |

* **Question 39**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a relational table, each \_\_\_\_\_\_\_\_\_\_ has a specific range of values known as the attribute domain. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  column | | Correct Answer: | Correct  column | |  |  |  |

* **Question 40**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Indexes play a crucial role in DBMSs for the implementation of \_\_\_\_\_\_\_\_\_\_ keys. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  primary | | Correct Answer: | Correct  primary | |  |  |  |

* **Question 41**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following automatically records a brief description of the database operations performed by all users? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  audit log | | Correct Answer: | Correct  audit log | |  |  |  |

* **Question 42**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | At the level of middle management, the database must be able to \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  deliver the data necessary for tactical decisions and planning | | Correct Answer: | Correct  deliver the data necessary for tactical decisions and planning | |  |  |  |

* **Question 43**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | \_\_\_\_\_\_\_\_\_\_ is probably the most widely supported database connectivity interface. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  ODBC | | Correct Answer: | Correct  ODBC | |  |  |  |

* **Question 44**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which is the first step of the ER model verification process? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Identify the ER model's central entity. | | Correct Answer: | Correct  Identify the ER model's central entity. | |  |  |  |

* **Question 45**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Normalization should be included as part of the \_\_\_\_\_\_\_\_\_\_ process in the development of a database. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  design | | Correct Answer: | Correct  design | |  |  |  |

* **Question 46**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A \_\_\_\_ is a named collection of settings that control how much of the database resource a given user can use. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  profile | | Correct Answer: | Correct  profile | |  |  |  |

* **Question 47**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a database design, which of the following items would not be considered time-variant data? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  a patient's Social Security number | | Correct Answer: | Correct  a patient's Social Security number | |  |  |  |

* **Question 48**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | User-access management is a subset of \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  authorization management | | Correct Answer: | Correct  authorization management | |  |  |  |

* **Question 49**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The first step in developing the conceptual model using ER diagrams is \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  identify, analyze, and refine the business rules | | Correct Answer: | Correct  identify, analyze, and refine the business rules | |  |  |  |

* **Question 50**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Surrogate primary keys are especially helpful when there is no \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  natural key | | Correct Answer: | Correct  natural key | |  |  |  |

* **Question 1**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | At the level of middle management, the database must be able to \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  deliver the data necessary for tactical decisions and planning | | Correct Answer: | Correct  deliver the data necessary for tactical decisions and planning | |  |  |  |

* **Question 2**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A \_\_\_\_ occurs when a relationship is improperly or incompletely identified and, therefore, is represented in a way that is not consistent with the real world. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  design trap | | Correct Answer: | Correct  design trap | |  |  |  |

* **Question 3**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following types of backup measures is also referred to as a dump of the database? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  full | | Correct Answer: | Correct  full | |  |  |  |

* **Question 4**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Whatever the type of organization, the database’s predominant role is to *\_\_\_\_.* |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  support managerial decision-making | | Correct Answer: | Correct  support managerial decision-making | |  |  |  |

* **Question 5**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following items would serve as the best example of a suitable EmployeeID for a human resources database? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  M9800 | | Correct Answer: | Correct  M9800 | |  |  |  |

* **Question 6**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The initial assessment and the feasibility study are part of the SDLC's \_\_\_\_ phase. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  planning | | Correct Answer: | Correct  planning | |  |  |  |

* **Question 7**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | \_\_\_\_\_\_\_\_\_\_ is the database transaction property which requires that all operations (SQL requests) of a transaction be completed; if not, the transaction is aborted. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Atomicity | | Correct Answer: | Correct  Atomicity | |  |  |  |

* **Question 8**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The database is loaded during the \_\_\_\_ phase of the SDLC. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  implementation | | Correct Answer: | Correct  implementation | |  |  |  |

* **Question 9**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following automatically records a brief description of the database operations performed by all users? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  audit log | | Correct Answer: | Correct  audit log | |  |  |  |

* **Question 10**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Normalization should be included as part of the \_\_\_\_\_\_\_\_\_\_ process in the development of a database. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  design | | Correct Answer: | Correct  design | |  |  |  |

* **Question 11**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | “All users must have passwords” is an example of a \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  policy | | Correct Answer: | Correct  policy | |  |  |  |

* **Question 12**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The primary key's main function is to uniquely identify a(n) \_\_\_\_ within a table. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  entity instance or row | | Correct Answer: | Correct  entity instance or row | |  |  |  |

* **Question 13**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  The introduction of a DBMS cannot be accomplished without affecting an organization. | | Correct Answer: | Correct  The introduction of a DBMS cannot be accomplished without affecting an organization. | |  |  |  |

* **Question 14**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | \_\_\_\_\_\_\_\_\_\_ is probably the most widely supported database connectivity interface. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  ODBC | | Correct Answer: | Correct  ODBC | |  |  |  |

* **Question 15**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A \_\_\_\_ is a named collection of settings that control how much of the database resource a given user can use. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  profile | | Correct Answer: | Correct  profile | |  |  |  |

* **Question 16**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In the \_\_\_\_\_\_\_\_\_\_ phase of data mining, the main data sets to be used are identified and cleansed of any data impurities. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  data preparation | | Correct Answer: | Correct  data preparation | |  |  |  |

* **Question 17**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which is the first step of the ER model verification process? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Identify the ER model's central entity. | | Correct Answer: | Correct  Identify the ER model's central entity. | |  |  |  |

* **Question 18**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following is arguably considered the most critical DBLC phase? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Database design | | Correct Answer: | Correct  Database design | |  |  |  |

* **Question 19**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a database design, which of the following items would not be considered time-variant data? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  a patient's Social Security number | | Correct Answer: | Correct  a patient's Social Security number | |  |  |  |

* **Question 20**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The selected primary key must not be composed of any attribute(s) that might be considered a security risk or violation. For example, using a Social Security number as a PK in an EMPLOYEE table is not a good idea.This rationale belongs to \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Security complaint | | Correct Answer: | Correct  Security complaint | |  |  |  |

* **Question 21**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true of an optimistic approach to concurrency control? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  During the write phase, the changes are permanently applied to the database. | | Correct Answer: | Correct  During the write phase, the changes are permanently applied to the database. | |  |  |  |

* **Question 22**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The implementation phase of database development includes the creation of a \_\_\_\_\_\_\_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  database storage structure | | Correct Answer: | Correct  database storage structure | |  |  |  |

* **Question 23**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Classifying users into \_\_\_\_, according to common access needs, facilitates the DBA’s job of controlling and managing the access privileges of individual users. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  user groups | | Correct Answer: | Correct  user groups | |  |  |  |

* **Question 24**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Instructions to create a password are an example of a \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  procedure | | Correct Answer: | Correct  procedure | |  |  |  |

* **Question 25**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The objective of concurrency control is to ensure the \_\_\_\_\_\_\_\_\_\_ of transactions in a multiuser database environment. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  serializability | | Correct Answer: | Correct  serializability | |  |  |  |

* **Question 26**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | More than likely, a data modeling checklist would state that \_\_\_\_\_\_\_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  all entities should be in 3NF or higher | | Correct Answer: | Correct  all entities should be in 3NF or higher | |  |  |  |

* **Question 27**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  In the wait/die scheme, if the transaction requesting the lock is the younger of the two transactions, it will die (roll back); it is rescheduled using the same time stamp. | | Correct Answer: | Correct  In the wait/die scheme, if the transaction requesting the lock is the younger of the two transactions, it will die (roll back); it is rescheduled using the same time stamp. | |  |  |  |

* **Question 28**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The \_\_\_\_\_\_\_\_\_\_ component of a DSS is used to extract and validate the data taken from the operational database and the external data sources. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  data extraction and data filtering | | Correct Answer: | Correct  data extraction and data filtering | |  |  |  |

* **Question 29**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | User-access management is a subset of \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  authorization management | | Correct Answer: | Correct  authorization management | |  |  |  |

* **Question 30**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Top-down and bottom-up design strategies are complementary. | | Correct Answer: | Correct  Top-down and bottom-up design strategies are complementary. | |  |  |  |

* **Question 31**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Procedures and standards must be revised at least \_\_\_\_ to keep them up-to-date. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  annually | | Correct Answer: | Correct  annually | |  |  |  |

* **Question 32**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Surrogate primary keys are especially helpful when there is no \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  natural key | | Correct Answer: | Correct  natural key | |  |  |  |

* **Question 33**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a database design, end-user requirements consist of performance, security, shared access, and \_\_\_\_\_\_\_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  data integrity | | Correct Answer: | Correct  data integrity | |  |  |  |

* **Question 34**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Implementing overlapping subtypes requires the use of one discriminator attribute for each subtype. | | Correct Answer: | Correct  Implementing overlapping subtypes requires the use of one discriminator attribute for each subtype. | |  |  |  |

* **Question 35**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The XML \_\_\_\_\_\_\_\_\_\_ is an advanced data definition language that is used to describe the structure of XML data documents. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  schema | | Correct Answer: | Correct  schema | |  |  |  |

* **Question 36**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Tactical decisions involve a longer time frame than operational decisions and affect larger-scale operations. | | Correct Answer: | Correct  Tactical decisions involve a longer time frame than operational decisions and affect larger-scale operations. | |  |  |  |

* **Question 37**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following statements is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  A table can be considered to be in 2NF when it is in 1NF and contains no partial dependencies. | | Correct Answer: | Correct  A table can be considered to be in 2NF when it is in 1NF and contains no partial dependencies. | |  |  |  |

* **Question 38**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A(n) \_\_\_\_ backup produces a backup of all data since the last backup date. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  incremental | | Correct Answer: | Correct  incremental | |  |  |  |

* **Question 39**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Coding, testing, and debugging are part of the \_\_\_\_ phase. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  implementation | | Correct Answer: | Correct  implementation | |  |  |  |

* **Question 40**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Problems defined during the planning phase are examined in greater detail during the \_\_\_\_\_\_\_\_\_\_ phase of the SDLC. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  analysis | | Correct Answer: | Correct  analysis | |  |  |  |

* **Question 41**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The first step in developing the conceptual model using ER diagrams is \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  identify, analyze, and refine the business rules | | Correct Answer: | Correct  identify, analyze, and refine the business rules | |  |  |  |

* **Question 42**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a relational table, each \_\_\_\_\_\_\_\_\_\_ has a specific range of values known as the attribute domain. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  column | | Correct Answer: | Correct  column | |  |  |  |

* **Question 43**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The relational database makes it possible to control data redundancies by using common attributes that are shared by tables, called \_\_\_\_\_\_\_\_\_\_ keys. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  foreign | | Correct Answer: | Correct  foreign | |  |  |  |

* **Question 44**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the following types of locks is now considered too restrictive to yield optimal concurrency conditions? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  binary lock | | Correct Answer: | Correct  binary lock | |  |  |  |

* **Question 45**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The ROLLUP extension is used with the \_\_\_\_\_\_\_\_\_\_ clause to generate aggregates by different dimensions. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  GROUP BY | | Correct Answer: | Correct  GROUP BY | |  |  |  |

* **Question 46**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Indexes play a crucial role in DBMSs for the implementation of \_\_\_\_\_\_\_\_\_\_ keys. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  primary | | Correct Answer: | Correct  primary | |  |  |  |

* **Question 47**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A(n) \_\_\_\_\_\_\_\_\_\_ is the attribute's set of possible values. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  domain | | Correct Answer: | Correct  domain | |  |  |  |

* **Question 48**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A DBMS facilitates which of the following? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Interpretation and presentation of data in useful formats | | Correct Answer: | Correct  Interpretation and presentation of data in useful formats | |  |  |  |

* **Question 49**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | “Should the existing system be replaced?” is a question that is asked during the \_\_\_\_ stage of the SDLC. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  planning | | Correct Answer: | Correct  planning | |  |  |  |

* **Question 50**

2 out of 2 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Which of the conceptual design steps identifies main processes: insert, update, and delete rules? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Data-model verification | | Correct Answer: | Correct  Data-model verification | |  |  |  |