| Name:

Student ID: | HO CHI MINH CITY
UNIVERSITY OF TECHNOLOGY
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Question 1: A reflexive association is one where one class is:
  A. combined with multiple other classes
  B. broken down into special cases
  C. linked back to itself
  D. A reflexive association is one where one class is:

Question 2: The ability to define common properties or functions in the higher class and then modify them in the lower classes is called:
  A. Reflexive
  B. Polymorphism
  C. Inheritance
  D. The ability to define common properties or functions in the higher class and then modify them in the lower classes is called:

Question 3: Database system modelers use this type of diagram to graphically represent both the data structure and how the different objects are interrelated.
  A. Class Diagram
  B. Data Diagram
  C. Database system modelers use this type of diagram to graphically represent both the data structure and how the different objects are interrelated.
  D. Object Diagram

Question 4: What is the main limitation of Hierarchical Databases?
  A. What is the main limitation of Hierarchical Databases?
  B. Overhead associated with maintaining indexes
  C. Limited flexibility in accessing data
  D. Limited capacity (unable to hold much data)

Question 5: Two different terms are used to describe the characteristics of interest for an entity. They are attributes and:
  A. classes
  B. Two different terms are used to describe the characteristics of interest for an entity. They are attributes and:
  C. properties
  D. entities

Question 6: The primary difference between the Relational database (RDB) and Object Oriented database (OODB) models is:
  A. RDB allows the definition of the relationships between the different tables, while OODB does not allow the relationships to be defined between objects
  B. The primary difference between the Relational database (RDB) and Object Oriented database (OODB) models is:
  C. OODB incorporates methods in with the definition of the data structure, while RDB does not

D. OODB supports multiple objects in the same database while RDB only supports a single table per database

Question 7: Assume you are creating a database to handle the data associated with instruction at a university. What is the most appropriate special association to model degree requirements (i.e., required number of courses in humanity, science, math, etc)?
A. generalization association
B. composition association
C. Assume you are creating a database to handle the data associated with instruction at a university. What is the most appropriate special association to model degree requirements (i.e., required number of courses in humanity, science, math, etc)?
D. n-ary association

Question 8: The purpose of an N-Ary association is:
A. to deal with relationships that involve more than two tables
B. to deal with relationships that involve more than two tables
C. The purpose of an N-Ary association is:
D. to capture a parent-child relationship

Question 9: Which of the following items is not the advantage of a DBMS?
A. Improved ability to enforce standards
B. Improved data consistency
C. Which of the following items is not the advantage of a DBMS?
D. Local control over the data

Question 10: Assume you are creating a database to handle the data associated with instruction at a university. What is the most appropriate special association to model that a course has an assigned instructor, Teaching Assistants, a classroom, meeting time slot, and class roster?
A. generalization association
B. Assume you are creating a database to handle the data associated with instruction at a university. What is the most appropriate special association to model that a course has an assigned instructor, Teaching Assistants, a classroom, meeting time slot, and class roster?
C. n-ary association
D. composition association

Question 11: What is the most appropriate special association that indicates that multiple textbooks make up a course required reading list?
A. What is the most appropriate special association that indicates that multiple textbooks make up a course required reading list?
B. n-ary association
C. aggregation association
D. generalization association

Question 12: Assume you are creating a database to handle the data associated with instruction at a university. What is the most appropriate special association to model that a class may have multiple pre-requisites?
A. Assume you are creating a database to handle the data associated with instruction at a university. What is the most appropriate special association to model that a class may have multiple pre-requisites?
B. n-ary association
C. aggregation association
D. generalization association

Question 13: Software that defines a database, stores the data, supports a query language, produces reports and creates data entry screens is a:
A. data dictionary
B. Software that defines a database, stores the data, supports a query language, produces reports and creates data entry screens is a:
C. database management system (DBMS)
D. decision support system

Question 14: Which component of the database management system (DBMS) most affects the ability to handle large problems (scalability)?
A. Query Processor
B. Which component of the database management system (DBMS) most affects the ability to handle large problems (scalability)?
C. Database Engine
D. Data Storage Subsystem

Question 15: In the client / server model, the database:
A. In the client / server model, the database: B. is shared by both the client and server
C. resides on the client side   D. is downloaded to the client upon request

Question 16: The predominant way of storing data today is using which type of database models?
A. The predominant way of storing data today is using which type of database models?
B. Object oriented
C. Hierarchical
D. Network

Question 17: The modern database report writer:
A. The modern database report writer:
B. is a career path that focuses on creating, managing and supporting the reports generated from databases
C. provide limited control over how information is displayed and reported
D. provides the tools for database designer to display information in the desired format

Question 18: The traditional storage of data that is organized by customer, stored in separate folders in filing cabinets is an example of what type of 'database' system?
A. Hierarchical
B. Object oriented
C. The traditional storage of data that is organized by customer, stored in separate folders in filing cabinets is an example of what type of 'database' system?
D. Network

Question 19: The association role defines:
A. The association role defines:
B. how tables are related in the database
C. the relationship between the class diagram and the tables in the database
D. the tables that each attribute is contained

Question 20: Business rules can be represented in the database through:
A. associations (or relationships)
B. Business rules can be represented in the database through:
C. attributes
D. secondary keys

Question 21:   A composition association is drawn using which symbol:
   A. A composition association is drawn using which symbol:
   B. Small closed diamond at the end of a line connecting two tables
   C. A line which loops back onto the same table
   D. Small open diamond at the end of a line connecting two tables

Question 22:   An abstract data type is used to:
   A. prevent users from getting to database security information
   B. An abstract data type is used to:
   C. link data from remote databases
   D. provide a conceptual view of the data so it is easier to understand

Question 23:   One of the first phases of a new database project that involves critical areas, expensive hardware or software within the organization is called _____.
   A. feasibility study
   B. analysis phase
   C. One of the first phases of a new database project that involves critical areas, expensive hardware or software within the organization is called _____.
   D. investigation stage

Question 24:   A reflexive association is drawn using which symbol:
   A. a line which loops back onto the same table
   B. small closed diamond at the end of a line connecting two tables
   C. A reflexive association is drawn using which symbol:
   D. small open diamond at the end of a line connecting two tables

Question 25:   In relational database model, after conceptually designing your database, the information contained in a single class would be stored in a:
   A. database
   B. field
   C. In relational database model, after conceptually designing your database, the information contained in a single class would be stored in a:
   D. property