DFo Database Foundations Final Exam

Reverse[©]
Correct

Review your answers, feedback, and question scores below. An asterisk (*) indicates a correct answer. **Section 4** (Answer all questions in this section) 1. In Oracle SQL Data Modeler, the attribute that you assign as primary UID is automatically set to a mandatory attribute and will be engineered to a primary key in the relational model. True (*) False[©] Correct (1/1) Points 2. When building a model in Oracle SQL Data Modeler you begin in the _____ tab. Physical[©] Conceptual^O Relational^O Logical (*) Correct (1/1) Points 3. _____ Engineering is the process of creating a conceptual or logical model by extracting the information from an existing data source. Reverse (*) Top-Down[©] Forward[®] Target^O Incorrect. Refer to Section 4 Lesson 2. (0/1) Points 4. Engineering is the process of transforming a Logical Data Model to a Relational Model. Target^O Forward (*)® Top-Down[©]

Section 5

5. Primary key constraints should have a suffix of PKEY. True False (*)
Correct
(1/1) Points
Section 5
(Answer all questions in this section) 6. To define naming templates in Oracle SQL Data Modeler: Right click the name of the design in object browser Select properties, select template Edit the template to use abbreviations Do all of these steps. (*)
Correct
(1/1) Points
7. A column or combination of columns in one table that refers to a primary key in the same or another table. Candidate Key Foreign Key (*) Primary Key Super Key
Correct
(1/1) Points 8. You can define naming standards in Oracle SQL Developer Data Modeler using Glossary Naming Templates Design Rule Validations All of the above can be used to define naming standards in Oracle SQL Data Modeler. (*)
Correct

(1/1) Points

Section 6

(Answer all questions in this section) 9. To see all the fields and records in the employees table you can run the following query: SELECT all FROM employees; SELECT * FROM employees; (*) SELECT * FROM employees; None of the above.
Correct
(1/1) Points
10. In a basic query, following the word FROM comes the fields to be displayed. True False (*) False (*)
Incorrect. Refer to Section 6 Lesson 1.
(0/1) Points
11. To use a computer application you must understand how it is built and how it works inside. True False (*) False (*)
Correct
(1/1) Points 12 consistency guarantees a consistent view of the data at all times. Data Read (*) Table Write
Correct
(1/1) Points 13 give you more flexibility and control when changing data, and they ensure data consistency in the event of user process failure or system failure. Procedures Procedures
Functions ^O

Code blocks[©] Transactions (*)® Correct (1/1) Points 14. With the _____ and ROLLBACK statements, you have control over making changes to the data permanent INSERT[©] **DELETE** COMMIT (*)® WHERE[©] Correct (1/1) Points 15. Users may view data that is in the process of being changed by another user. True False (*)® Correct (1/1) Points 16. The _____ join clause is based on all the columns in the two tables that have the same name and the same datatype. NATURAL IOIN (*) OUTER JOIN^O CROSS JOIN^O USING[©] Correct (1/1) Points 17. Which of the following statements is syntactically correct? SELECT e.employee_id, e.last_name, e.department_id, d.department_id, d.location_id FROM employees e JOIN departments d ON (e.department_id = d.department_id) AND e.manager id = 149; SELECT e.employee_id, e.last_name, e.department_id, d.department_id, d.location id FROM employees e JOIN departments d ON (e.department_id = d.department_id) WHERE e.manager id = 149;[○] Both statements are syntactically correct. (*)®

Neither statement is syntactically correct.
Correct
(1/1) Points
18. What type of join is the following statement? SELECT e.EMPLOYEE_ID, e.LAST_NAME, d.DEPARTMENT_ID, d.DEPARTMENT_NAME, d.LOCATION_ID FROM EMPLOYEES e, DEPARTMENTS d; INNER JOIN OUTER JOIN CROSS JOIN (*) ©
Correct
(1/1) Points
19. A join between two tables that returns the results of an INNER join as well as the results of a left and right join is ajoin. CROSS JOIN INNER OUTER TOTAL OUTER TOTAL OUTER (*) Correct
(1/1) Points
20. An clause creates an equijoin between two tables using one column from each table regardless of the name or data type. CROSS JOIN ON (*) NATURAL JOIN USING ON (*)
Incorrect. Refer to Section 6 Lesson 9.
(0/1) Points
21. TheJOIN clause produces the cross-product of two tables. OUTER O INNER O CARTESIAN O CROSS (*)
Correct

(1/1) Points

22. Substitution variables are used when you want to prompt for different criteria in a condition. True (*) False
Correct
(1/1) Points
23. Which statements are not true? (Choose 2) (Choose all correct answers) You can sort query results by specifying the numeric position of the column in the SELECT clause. You cannot sort query results by more than one column. (*) You cannot use a column alias in the ORDER BY clause. (*) You can sort by a column that is not in the SELECT list. Correct
(1/1) Points
24. Which character is used as a substitution variable in APEX? & : (*) : (*) : (*)
Correct
(1/1) Points
25. Top-n-analysis is used when you want to retrieve only the top number of records from a result set. True (*) False
Correct
(1/1) Points
Section 6
(Answer all questions in this section) 26. You can link columns to other columns, arithmetic expressions, or constant values to create a character expression by using the operator (). literal addition concatenation (*)

alias
Correct
(1/1) Points
27. You can display all columns of data in a table by following the SELECT keyword with an asterisk (*). True (*) False
Correct
(1/1) Points
28. The DESCRIBE command describes the results of a query. True False (*) False (*)
Correct
(1/1) Points
29. You can display selected columns of a table by listing them in the clause. IF FROM WHERE SELECT (#) 9
SELECT (*) Correct
(1/1) Points
30. Which column alias is invalid? "First Name" First Name (*) "FIRST NAME" First_Name
Incorrect. Refer to Section 6 Lesson 6.
(0/1) Points
31. If an arithmetic expression contains more than one operator, are evaluated first. addition and subtraction exponentiation
multiplication and division
anything in parenthesis (*)® Correct

(1/1) Points
32. Functions of SQL are: Inserting, updating, and deleting rows in a table Querying data stored in the database Both of the above options are functions of SQL (*) Neither of the above options are functions of SQL Correct
(1/1) Points
33. All of the following are stages of SQL Processing except: Row Source Generation Execution Parsing Optimization All of the above options are stages of SQL processing. (*)
Correct
(1/1) Points
34. Which software is used to manage reading and manipulating a relational database? DBMS software (*) ERD software Flat file software Spreadsheet software
Correct (1/1) Points
35. A primary key must contain a value and the value must be null unique (*) greater than zero blank
Correct
(1/1) Points
36. You can override the default order by using parentheses around the expressions that you want to calculate first. True (*) False Convert
Correct

(1/1) Points
37. According to the rules of precedence which operator will be evaluated first? AND (*) $^{\tiny lacktriangle}$ OR $^{\tiny lacktriangle}$
Both are on the same level of precedence. Correct
(1/1) Points
38. The operator requires either of the component conditions to be true. OR (*) BETWEEN EITHER AND Comment
Correct
(1/1) Points 39. Which operator is used to display rows based on an ordered range of values? NOT NULL LIKE BETWEEN (*) IN
Correct
(1/1) Points
40. A logical condition combines the result of two component conditions to produce a single result based on those conditions or it inverts the result of a single condition. True (*) False Correct
(1/1) Points
41. The UPDATE statement modifies the values of a specific row or rows if the clause is specified. SET® VALUE® MODIFY® WHERE (*)®
Incorrect. Refer to Section 6 Lesson 4.

(0/1) Points
42. It is not mandatory to specify the column list in the INSERT statement. True or False? True (*) False
Correct
(1/1) Points
43 is used to add, modify and delete data. Data Manipulation Language (*) Data Control Language Data Management Language Data Definition Language Correct
(1/1) Points
44. Data Manipulation Language includes all of the following except: UPDATE COMMIT (*) INSERT DELETE Correct
(1/1) Points
45. The TRUNCATE statement is a data definition language (DDL) statement and generates no rollback information. True (*) False
Correct
(1/1) Points
46. When you define a table, you can specify that a column should be given a default value by using the LITERAL option. True False (*) False (*)
Correct
(1/1) Points
47. When you a table, the database loses all the data in the table. SELECT $^{\bigcirc}$

DROP (*)®
ALTER [©]
ERASE [©] Correct
(1/1) Points
48. The Data Definition Language performs all of the following except : Add constraints to tables Create tables Alter tables
Insert data into tables (*)
Correct
(1/1) Points
49. Columns without the NOT NULL constraint can contain null values by default. True (*) lacktriangle False lacktriangle
Correct
(1/1) Points
50. If a table already contains rows when a column is added, the new column is initially null or takes the default value for all the rows. True or False? True (*) False
Correct
(1/1) Points