FIT9132 Introduction to databases - S1 2022

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Time taken	39 mins 20 secs
Marks	12.00/15.00
Grade	**8.00** out of 10.00 (**80**%)

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Question 1

Correct

Mark 1.00 out of 1.00

Words used by a system that cannot be used for any other purpose are called _____ words. For example, in Oracle SQL, the word INITIAL cannot be used to name tables or columns.

Select one:

- ○ a.   null
- ○ b.   character
- ◉ c.   reserved   ✔ Correct
- ○ d.   unique

The correct answer is: reserved

Question 2

Correct

Mark 1.00 out of 1.00

All changes in a table structure are made using the _____ TABLE command, followed by a keyword that produces the specific changes a user wants to make.

Select one:

- ○ a.   COMMIT
- ○ b.   UPDATE
- ◉ c.   ALTER   ✔ Correct
- ○ d.   ROLLBACK

Question 3

Incorrect

Mark 0.00 out of 1.00

A table can be deleted from the database by using the _____ TABLE command.

Select one:

○ a.   DELETE   ✖   Incorrect

○ b.   ERASE

○ c.   MODIFY

○ d.   DROP

The correct answer is: DROP

Question 4

Correct

Mark 1.00 out of 1.00

You cannot have an invalid entry in the foreign key column; at the same time, you cannot delete a vendor row as long as a product row references that vendor. This is known as _____.

Select one:

○ a.   batch updating

○ b.   authentication

○ c.   referential integrity   ✔   Correct

○ d.   cross joining

The correct answer is: referential integrity

Question 5

Correct

Mark 1.00 out of 1.00

In Oracle, _____ retrieves the current value of a sequence.

Select one:

○ a.   NEXTVAL

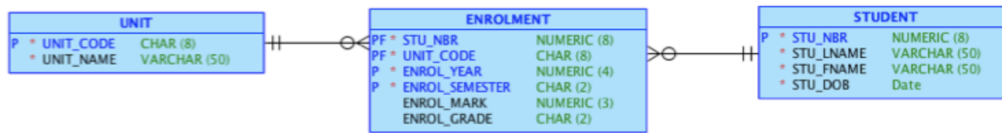○ b.   VARCHAR2

○ c.   VARCHAR

○ d.   CURRVAL   ✔   Correct

The correct answer is: CURRVAL

Which of the entities on the above diagram will be implemented as a table with a composite primary key?

Select one:

○ a.   ENROLMENT   ✔   Correct

○ b.   UNIT and STUDENT

○ c.   STUDENT

○ d.   UNIT

The correct answer is: ENROLMENT

The _____ command permanently saves all changes-such as rows added, attributes modified, and rows deleted-made to any table in the database.

Select one:

○ a.   COMMIT   ✔   Correct
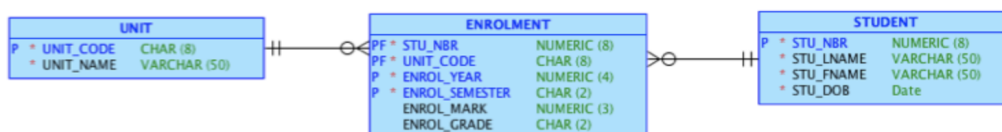
○ b.   SELECT

○ c.   ROLLBACK

○ d.   UPDATE

The correct answer is: COMMIT

If we are going to create a database based on the above diagram, how many primary key constraints do we need to create?

Select one:

○ a.   3

○ b.   4

c. 2

d. 6   ✖ Incorrect

The correct answer is: 3

Question **9**

Correct

Mark 1.00 out of 1.00

The _____ specification creates an individual index on a respective attribute; use it to avoid having duplicated values in a column.

Select one:

a. UNIQUE   ✔ Correct

b. UPDATE

c. VARCHAR

d. NOT NULL

The correct answer is: UNIQUE

Question **10**

Correct

Mark 1.00 out of 1.00

SQL requires the use of the _____command to enter data into a table.

Select one:

a. INSERT   ✔ Correct

b. SELECT

c. NOT NULL

d. COMMIT

The correct answer is: INSERT

Question **11**

Incorrect

Mark 0.00 out of 1.00

The SQL data type DATE stores date in the _____ date format.

Select one:

a. Babylonian

b. Gregorian   ✖ Incorrect

c. Julian

d. Lunar

Question 12

Correct

Mark 1.00 out of 1.00

The _____ constraint assigns a value to an attribute when a new row is added to a table.

Select one:

○ a.   NOT NULL

○ b.   UNIQUE

◉ c.   DEFAULT   ✔   Correct

○ d.   CASCADE

The correct answer is: DEFAULT

Question 13

Correct

Mark 1.00 out of 1.00

The _____ constraint is used to validate data when an attribute value is entered.

Select one:

◉ a.   CHECK   ✔   Correct
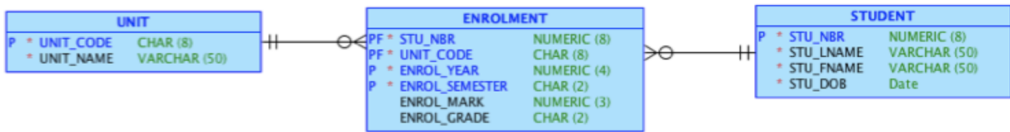
○ b.   SET NULL

○ c.   UNIQUE

○ d.   CASCADE

The correct answer is: CHECK

Question 14

Correct

Mark 1.00 out of 1.00

If we are going to create a database based on the above diagram, how many foreign key constraints do we need to create?

Select one:

○ a.   3

○ b.   6

◉ c.   2   ✔   Correct

d. 4

The correct answer is: 2

Question 15

Correct

Mark 1.00 out of 1.00

When writing SQL table-creating command sequences, the entire table definition is enclosed in _____.

Select one:

a. commas

b. quotations

c. asterisks

d. parentheses ✔ Correct

The correct answer is: parentheses

Jump to...