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Final Exam
Final Exam Instructions

1. Time allowed: **1 hour**

2. Attempts per question:

   - One attempt - For True/False questions

   - Two attempts - For any question other than True/False

3. Clicking the "**Final Check**" button when it appears, means your submission is **FINAL**. You will **NOT** be able to resubmit your answer for that question ever again

IMPORTANT: Do not let the time run out and expect the system to grade you automatically. You must explicitly submit your answers, otherwise they would be marked as incomplete.

Question 1
1/1 point (graded)

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○ CREATE, ALTER, INSERT, UPDATE, DELETE

○ CREATE, SELECT, INSERT, MODIFY, DELETE

○ All of the above

✔

Submit   You have used 1 of 2 attempts

✔ Correct (1/1 point)

Question 2

1/1 point (graded)
The blueprint of any database system is the ...

● Data model

○ Information model

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Submit   You have used 1 of 2 attempts

✔ Correct (1/1 point)

Question 3

1/1 point (graded)
Attributes help clarify relationship diagrams (T/F)

○ True

◉ False

✔

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

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○ True

⦿ False

✔

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 5

1/1 point (graded)
The Referential Integrity Constraint ensures the validity of the data using a combination of Primary Keys and Foreign Keys.

⦿ True

○ False

✔

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✔   Correct (1/1 point)

Question 6

1/1 point (graded)
What are the basic categories of the SQL language based on functionality?

○ Data Manipulation Language

○ Data Definition Language

⦿ Both of the above

○ Neither of the above

✔

Submit   You have used 1 of 2 attempts

✔   Correct (1/1 point)

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- 🔘 DDL statement
- ⚪ DML statement
- ⚪ Both of the above

✔️

Submit   You have used 1 of 2 attempts

✔ Correct (1/1 point)

Question 8

1/1 point (graded)
When using the UPDATE statement, if you do not specify the WHERE clause, all the rows in the table are updated.

- 🔘 True
- ⚪ False

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✔ Correct (1/1 point)

Question 9

1/1 point (graded)
You want to select a list of books whose number of pages is between 100 and 200 . Select the correct query from the following options.

- 🔘 SELECT title, pages from book where pages BETWEEN 100 AND 200

- ⚪ SELECT title, pages from book where pages RANGE 100 AND 200

- ⚪ SELECT title, pages from book where pages less than or equal to 100 AND pages greater than or equal to 200

- ⚪ A or B

- ⚪ All the options above are correct

✔

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✔ Correct (1/1 point)

Question 10

1/1 point (graded)
What is the default sorting mode of the ORDER BY clause?

- 🔵 Ascending
- ⚪ Descending
- ⚪ Randomly selected order
- ⚪ None of the above
- ⚪ All of the above

✔

Submit   You have used 1 of 2 attempts

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Question 11

1/1 point (graded)
Which of the following can be used in a SELECT statement to restrict a result set?

○ HAVING

○ GROUP BY

○ DISTINCT

● All of the above

✔

Submit   You have used 2 of 2 attempts

✔ Correct (1/1 point)

Question 12

1/1 point (graded)

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○ False

✔

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

Question 13

1/1 point (graded)
Which of the following are valid types of OUTER JOIN?

○ LEFT OUTER JOIN

○ RIGHT OUTER JOIN

○ FULL OUTER JOIN

○ A and B only

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Submit   You have used 1 of 2 attempts

✔ Correct (1/1 point)

Question 14

1/1 point (graded)
A FULL JOIN returns only the rows that match. (T/F)

- ⭕ True
- 🔵 False

✔

Submit   You have used 1 of 1 attempt

✔ Correct (1/1 point)

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- [ ] Table names
- [x] Matching values/Primary key
- [ ] Tables cannot be combined
- [ ] None of the above options are correct

✔

Submit   You have used 1 of 2 attempts

✔ Correct (1/1 point)

Question 16

1/1 point (graded)
>> True or False: Semantic integrity ensures that data entered into a row reflects an allowable value for that row.

- (●) True

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Submit   You have used 1 of 2 attempts

✔ Correct (1/1 point)

Question 17

1/1 point (graded)
Which of the following statements are correct about databases :

- [ ] A database represents some aspect of the real world

- [ ] A database is a logically coherent collection of data with some inherent meaning

- [ ] A database is designed, built and populated with data for a specific purpose

- [x] All the above options are correct

✔

Submit   You have used 1 of 2 attempts

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Question 18

1/1 point (graded)
Which of the following statements are correct about primary keys

- [ ] The value of the Primary Key must be unique for each instance of the entity.

- [ ] There can be no missing values(ie. Not Null) for Primary Keys.

- [ ] The Primary Key is immutable.i.e., once created the value of the Primary Key cannot be changed.

- [x] All the above options are correct

✔

Submit   You have used 1 of 2 attempts

✔ Correct (1/1 point)

Question 19

1/1 point (graded)

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- 🔘 DISTINCT
- ⭕ ALL
- ⭕ EXISTS

✔️

| Submit | You have used 1 of 2 attempts |

✔ Correct (1/1 point)

Question 20

1/1 point (graded)
Select the correct statements about the join operator

- ☑ PrimaryKey- ForeignKey is the common join operator
- ☑ Is used to combine more than one table

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✔

Submit   You have used 1 of 2 attempts

✔   Correct (1/1 point)