Started on	Friday, 31 October 2025, 3:36 PM
State	Finished
Completed on	Friday, 31 October 2025, 3:39 PM
Time taken	2 mins 56 secs
Marks	12.00/15.00
Grade	**80.00** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

In a window function, what does the frame clause specify?

- ○ a.   The order of result set
- ● b.   The range of rows used for calculation
- ○ c.   The column to group by
- ○ d.   The default sorting method

Question 2

Complete

Mark 1.00 out of 1.00

In MySQL, what is the main difference between RANK() and DENSE_RANK()?

- ○ a.   Both behave identically
- ○ b.   DENSE_RANK() skips numbers for ties, RANK() does not
- ○ c.   RANK() cannot use ORDER BY
- ● d.   RANK() skips numbers for ties, DENSE_RANK() does not

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Question 3

Complete

Mark 1.00 out of 1.00

What does the PARTITION BY clause do in a window function?

- ○ a.   Filters rows before aggregation
- ● b.   Divides result set into groups for window calculation
- ○ c.   Removes duplicate values
- ○ d.   Divides the table into multiple databases

Question 4

Complete

Mark 1.00 out of 1.00

What is the effect of using ROWS BETWEEN UNBOUNDED PRECEDING AND CURRENT ROW?

○ a. It resets the partition

○ b. It includes only the current row

○ c. It includes all rows after the current row

◉ d. It includes all rows from the start to current row

Question 5

Complete

Mark 1.00 out of 1.00

What is the output of `FIRST_VALUE(salary) OVER(ORDER BY salary)` in MySQL?

◉ a. Salary of the first row according to the ORDER BY clause

○ b. Minimum salary in the result set

○ c. Maximum salary in the result set

○ d. Average salary of all rows

Question 6

Complete

Mark 1.00 out of 1.00

What will the following query do? `SELECT name, salary, RANK() OVER(ORDER BY salary DESC) AS r FROM employees;`

○ a. Assigns random ranks to employees

◉ b. Assigns rank based on descending salary

○ c. Groups employees by salary

○ d. Assigns rank based on ascending salary

Question 7

Complete

Mark 1.00 out of 1.00

When using window functions, which clause is evaluated last in MySQL's query execution order?

○ a. WHERE

◉ b. SELECT

○ c. FROM

○ d. WINDOW

Question 8

Complete

Mark 1.00 out of 1.00

Which function can be used to get the difference between the current and previous row's value in a partition?

- ○ a. LEAD()
- ○ b. OFFSET()
- ○ c. DIFFERENCE()
- ◉ d. LAG()

Question 9

Complete

Mark 0.00 out of 1.00

Which function returns the relative rank of a row as a decimal between 0 and 1?

- ○ a. DENSE_RANK()
- ○ b. CUME_DIST()
- ◉ c. NTILE()
- ○ d. PERCENT_RANK()

Question 10

Complete

Mark 1.00 out of 1.00

Which function would you use to calculate the running total of sales in MySQL?

- ○ a. NTILE(4) OVER()
- ◉ b. SUM() OVER(ORDER BY ...)
- ○ c. COUNT() OVER()
- ○ d. AVG() OVER(PARTITION BY ...)

Question 11

Complete

Mark 0.00 out of 1.00

Which MySQL version first introduced full support for window functions?

- ◉ a. 5.7
- ○ b. 5.5
- ○ c. 8.1
- ○ d. 8.0

Question 12

Complete

Mark 1.00 out of 1.00

Which of the following clauses is mandatory when using a window function in MySQL?

- ○ a. HAVING
- ○ b. ORDER BY
- ◉ c. OVER()
- ○ d. GROUP BY

Question 13

Complete

Mark 0.00 out of 1.00

Which of the following statements about NTILE 👎 function is true?

- ○ a. It divides rows into n groups of equal size
- ○ b. It returns n random rows
- ○ c. It returns the top n rows
- ◉ d. It divides rows based on column value ranges

Question 14

Complete

Mark 1.00 out of 1.00

Which of the following statements about the LAG() function is correct?

- ○ a. It retrieves the value from the next row in the partition
- ◉ b. It retrieves the value from the previous row in the partition
- ○ c. It retrieves the maximum value in the partition
- ○ d. It calculates cumulative average

Question 15

Complete

Mark 1.00 out of 1.00

Which window function can assign a sequential number to each row starting from 1 within each partition?

- ○ a. NTILE()
- ◉ b. ROW_NUMBER()
- ○ c. DENSE_RANK()
- ○ d. RANK()