

## Student Result

**Student Name:** Harshavardhan S

**Exam:** Diacto Technologies

**Score:** 43.0/50.0

**Percentage:** 86.00%

### Question-wise Summary

| Sr.no | Question                                                                                        | Selected Answer           | Correct Answer            |
|-------|-------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| 1     | Which SQL clause is used to filter the results of an aggregate function?                        | HAVING                    | HAVING                    |
| 2     | Which Window Function finds the 3rd-highest salary, skipping the next rank if duplicates exist? | RANK()                    | RANK()                    |
| 3     | What is the difference between DELETE and TRUNCATE?                                             | DELETE can be rolled back | DELETE can be rolled back |

|   |                                                                                   |                                   |                                   |
|---|-----------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| 4 | What does a 'Bookmark Lookup' in an execution plan indicate?                      | <b>Missing index columns</b>      | <b>Missing index columns</b>      |
| 5 | Which join returns all rows from the left table and matching rows from the right? | <b>LEFT JOIN</b>                  | <b>LEFT JOIN</b>                  |
| 6 | What is the 'SARGability' of a SQL query?                                         | <b>Ability to use an index</b>    | <b>Ability to use an index</b>    |
| 7 | What is the primary purpose of a 'View' in SQL?                                   | <b>Virtual table for security</b> | <b>Virtual table for security</b> |
| 8 | Which isolation level provides highest consistency but lowest concurrency?        | <b>SERIALIZABLE</b>               | <b>SERIALIZABLE</b>               |

|    |                                                             |                                 |                                 |
|----|-------------------------------------------------------------|---------------------------------|---------------------------------|
| 9  | What is the purpose of the COALESCE() function?             | <b>First non-null value</b>     | <b>First non-null value</b>     |
| 10 | A 'Clustered Index' in SQL Server determines:               | <b>Logical order</b>            | <b>Physical order</b>           |
| 11 | Normalization is primarily used to:                         | <b>Minimize redundancy</b>      | <b>Minimize redundancy</b>      |
| 12 | What does the CROSS APPLY operator do?                      | <b>Multiplies columns</b>       | <b>Join to Table Function</b>   |
| 13 | Which operator is used for pattern matching in SQL?         | <b>LIKE</b>                     | <b>LIKE</b>                     |
| 14 | What is the difference between a CTE and a Temporary Table? | <b>CTE for single statement</b> | <b>CTE for single statement</b> |

|    |                                                                 |                                 |                                 |
|----|-----------------------------------------------------------------|---------------------------------|---------------------------------|
| 15 | Which command is used to remove a table structure and its data? | <b>DROP TABLE</b>               | <b>DROP TABLE</b>               |
| 16 | In SSIS, what does ETL stand for?                               | <b>Extract, Transform, Load</b> | <b>Extract, Transform, Load</b> |
| 17 | Which of these is a 'Blocking Transformation' in SSIS?          | <b>Data Conversion</b>          | <b>Sort</b>                     |
| 18 | What is the primary purpose of SSAS?                            | <b>OLAP and Data Mining</b>     | <b>OLAP and Data Mining</b>     |
| 19 | What is 'Incremental Loading'?                                  | <b>Load only new/changed</b>    | <b>Load only new/changed</b>    |

|    |                                                             |                                    |                                    |
|----|-------------------------------------------------------------|------------------------------------|------------------------------------|
| 20 | Which schema is more optimized for BI due to simpler joins? | <b>Star Schema</b>                 | <b>Star Schema</b>                 |
| 21 | In SSIS, what do 'Checkpoints' do?                          | <b>Check data types</b>            | <b>Restart from failure</b>        |
| 22 | What is a 'Fact Table' in a star schema?                    | <b>Quantitative measures</b>       | <b>Quantitative measures</b>       |
| 23 | Which MSBI tool is best for paginated, printable reports?   | <b>SSRS</b>                        | <b>SSRS</b>                        |
| 24 | In SSAS Tabular modeling, 'DAX' stands for:                 | <b>Data Analysis Expressions</b>   | <b>Data Analysis Expressions</b>   |
| 25 | What is the purpose of 'Data Mapping' in ETL?               | <b>Source to Destination field</b> | <b>Source to Destination field</b> |

|    |                                                                 |                                 |                                 |
|----|-----------------------------------------------------------------|---------------------------------|---------------------------------|
| 26 | Which SSIS component performs actions based on a condition?     | <b>Data Conversion</b>          | <b>Precedence Constraints</b>   |
| 27 | A 'Slightly Changing Dimension' (Type 2) tracks history by:     | <b>New record per change</b>    | <b>New record per change</b>    |
| 28 | In Tableau, what are 'Dimensions'?                              | <b>Categorical data</b>         | <b>Categorical data</b>         |
| 29 | What is a 'LOD Expression' in Tableau?                          | <b>Independent detail level</b> | <b>Independent detail level</b> |
| 30 | Which Excel feature summarizes large datasets without formulas? | <b>Pivot Tables</b>             | <b>Pivot Tables</b>             |

|    |                                                                |                                |                                |
|----|----------------------------------------------------------------|--------------------------------|--------------------------------|
| 31 | In Tableau, what is a 'Packaged Workbook' (.twbx)?             | <b>Design + Data Source</b>    | <b>Design + Data Source</b>    |
| 32 | Which chart is best for correlation between Spend and Revenue? | <b>Scatter Plot</b>            | <b>Scatter Plot</b>            |
| 33 | In Excel Power Query, what are 'Applied Steps'?                | <b>Transformation sequence</b> | <b>Transformation sequence</b> |
| 34 | What is 'Data Granularity'?                                    | <b>Level of detail per row</b> | <b>Level of detail per row</b> |
| 35 | What is the primary function of VLOOKUP?                       | <b>Search and return value</b> | <b>Search and return value</b> |
| 36 | In Tableau, what is a 'Live Connection'?                       | <b>Real-time connection</b>    | <b>Real-time connection</b>    |

|    |                                                                 |                               |                               |
|----|-----------------------------------------------------------------|-------------------------------|-------------------------------|
| 37 | Which chart is best for showing a 'Part-to-Whole' relationship? | <b>Pie Chart</b>              | <b>Pie Chart</b>              |
| 38 | Which SDLC model relies on frequent stakeholder feedback?       | <b>Waterfall</b>              | <b>Agile</b>                  |
| 39 | In Data Analysis, what is an 'Outlier'?                         | <b>Significant difference</b> | <b>Significant difference</b> |
| 40 | What is 'Requirements Gathering'?                               | <b>Documenting needs</b>      | <b>Documenting needs</b>      |
| 41 | What is a POC (Proof of Concept)?                               | <b>Demo to verify theory</b>  | <b>Demo to verify theory</b>  |
| 42 | Technical Documentation is used for:                            | <b>Future maintenance</b>     | <b>Future maintenance</b>     |



|    |                                                           |                             |                             |
|----|-----------------------------------------------------------|-----------------------------|-----------------------------|
| 43 | A 'Functional Specification Document' (FSD) describes:    | User perspective intent     | User perspective intent     |
| 44 | Data 'Integrity' refers to:                               | Accuracy and reliability    | Accuracy and reliability    |
| 45 | In an Agile environment, a 'Sprint' is:                   | Fixed period of work        | Fixed period of work        |
| 46 | First step if a dashboard is loading too slowly?          | Change theme                | Check SQL query/volume      |
| 47 | How is 'Customer Retention Rate' defined?                 | % purchased in both periods | % purchased in both periods |
| 48 | Where should a date format fix (DD-MM to YYYY-MM) happen? | ETL Transformation          | ETL Transformation          |

|    |                                                       |                         |                         |
|----|-------------------------------------------------------|-------------------------|-------------------------|
| 49 | What is 'Critical Thinking' in data analysis?         | Question assumptions    | Question assumptions    |
| 50 | Which step follows 'Data Extraction' in a BI project? | Transformation/Cleaning | Transformation/Cleaning |