Student Result

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Exam: Diacto Technologies

Score: 21.0/50.0

Percentage: 42.00%

Question-wise Summary

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

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

9	What is the purpose of the COALESCE() function?	**First non-null value**	**First non-null value**
10	A 'Clustered Index' in SQL Server determines:	**Security permissions**	**Physical order**
11	Normalization is primarily used to:	**Increase redundancy**	**Minimize redundancy**
12	What does the CROSS APPLY operator do?	**INNER JOIN for tables**	**Join to Table Function**
13	Which operator is used for pattern matching in SQL?	**REGEX**	**LIKE**
14	What is the difference between a CTE and a Temporary Table?	**Temp Table no index**	**CTE for single statement**

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

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

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

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

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

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:	**SQL error**	**Fixed period of work**
46	First step if a dashboard is loading too slowly?	**Buy monitor**	**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?	**Deployment**	**Transformation/Cleanin**