1. SQL Server Services can be connected to using?
   1. Windows Authentication
   2. Server Authentication
   3. Active Directory
   4. All of Above
2. Always Encrypted is a table level feature?
   1. Yes
   2. No
   3. It is Applicable to Views
   4. B and C
3. Which service is used to automate back up and run packages at a scheduled interval?
   1. Integration Service
   2. SQL Agent Service
   3. Automation Service
   4. None of Above
4. Which are the valid backup’s for SQL Server Database?
   1. Full
   2. Differential
   3. Transactional / Log
   4. A and C
   5. All
5. SQL Server Profiler is used to?
   1. Trace all the request coming to the server
   2. Manage SQL Server Database Profiles
   3. Monitor Locks and Deadlocks
   4. A and C
6. On restoring a database to another server, users and roles needs to be created separately, to avoid this, we create
   1. SQL Scripts
   2. Contained Database / Partial Database
   3. .dat file
   4. Separate table and stored procedure
7. Which of the following is used as a live back up of data for a database?
   1. Mirroring
   2. Replication
   3. Log Shipping
   4. All of Above
8. Database can be restored on which of the following modes?
   1. Recovery
   2. No Recovery
   3. Standby
   4. All of Above
   5. None of Above
9. Which tool is used to a non GUI OS to manage the instance and database objects?
   1. SSMS
   2. TODD
   3. Powershell
   4. Command Prompt
10. Which of the following is objects are created to fine tune SQL Queries and stored procedures?
    1. Views
    2. Index
    3. Functions
    4. Triggers
11. From the [Customers] table, we want to select all records where the [BirthDate] column is greater than 2022-01-01 and smaller than 2015-12-31. Which SQL query is correct?
    1. SELECT \* FROM [Customers] WHERE [BirthDate] BETWEEN '2022-01-01' and '2015-12-31'
    2. SELECT \* FROM [Customers] WHERE [BirthDate] > '2022-01-01' and [BirthDate] < '2015-12-31'
    3. No option is correct
    4. Both options are correct
12. How many primary keys can a table in SQL Server contain at most?
    1. 24
    2. Unlimited
    3. 999
    4. 1
13. Which of the following clauses is used to sort records in a database table?
    1. GROUP BY
    2. GROUPING
    3. HAVING
    4. ORDER BY
14. Which of the following SQL operators cannot be used in the WHERE clause?
    1. BETWEEN
    2. AND
    3. IN
    4. DELETE
15. Which of the following options for declaring a variable of type VARCHAR (50), variable name = "Name", value = "Paul" in T-SQL is valid?
    1. DECLARE @Name AS VARCHAR(50) = 'Paul'
    2. DECLARE @Name AS VARCHAR(50) SET @Name = 'Paul'
    3. Both the syntax are invalid
    4. Both A and B are valid synax
16. Which of the following commands cannot be used in views?
    1. WHERE
    2. ORDER BY
    3. UNION a UNION ALL
    4. GROUP BY
17. comments in T-SQL are
    1. Insert two dashes before the commented text (--)
    2. Put a simple apostrophe before the commented text (')
    3. We will delimit the commented text by /----/
    4. No answer is correct
18. Which of the following statements can delete data in a table
    1. Thrash
    2. Remove
    3. Delete
    4. Clear
19. Which of the options does not represents a numeric data type?
    1. Int
    2. Bigint
    3. Float
    4. Bin
20. What's the SQL Server edition, which is free for commercial purposes? (1 answer is correct)
    1. SQL Server Developer
    2. SQL Server Standard
    3. SQL Server Express
    4. SQL Server Enterprise
21. If we want to join table 1 with table 2 so that the result is: all records from table 1 and common records from table 1 and table 2 based on condition in ON statement, we use the option
    1. SELECT \* FROM [Table 1] JOIN [Table 2] ON ...
    2. SELECT \* FROM [Table 1] FULL JOIN [Table 2] ON ...
    3. SELECT \* FROM [Table 1] LEFT JOIN [Table 2] ON ...
    4. SELECT \* FROM [Table 1] RIGHT JOIN [Table 2] ON ...
22. Choose the correct order of SQL clauses as they are organized in the script
    1. SELECT - WHERE - FROM - GROUP BY - ORDER BY
    2. SELECT - FROM - GROUP BY - WHERE - ORDER BY
    3. SELECT - FROM - WHERE - GROUP BY - ORDER BY
    4. ORDER BY - SELECT - FROM - WHERE - GROUP BY
23. What statement about SQL and T-SQL is correct?
    1. Both SQL and T-SQL are standard database languages
    2. Both SQL and T-SQL are dialects in MS SQL Server
    3. SQL is a standard language and T-SQL is a dialect in MS SQL Server
    4. T-SQL is a standard language and SQL is a dialect in MS SQL Server
24. Which of these SQL clauses may include a condition that restricts the data in the query result? (1 answer is correct)
    1. WHERE
    2. SELECT
    3. ORDER BY
    4. GROUP BY
25. The \_\_\_\_\_ object is used to retrieve information about all active transactions on an instance.
    1. Sys.dm\_active\_transactions
    2. Sys.dm\_tran\_transactions
    3. Sys.dm\_tran\_active\_transactions
    4. None of the above
26. BEGIN TRANSACTION INSERT INTO DemoTable VALUES(5,'XYZ','DEMO'); BEGIN TRANSACTION UPDATE DemoTable SET Col3 = 'Test' WHERE TestID = 5; COMMIT TRANSACTION; ROLLBACK; What is the result of the above code execution?
    1. The data is rolled back to the transaction starting on line1.
    2. The inserted row does not exist in the table.
    3. All of the above.
    4. None of the above.
    5. Only B.
27. By default, what type of index is created for a unique constraint?
    1. Clustered index
    2. Non-Clustered index
    3. Both A and B
    4. None of the above.
28. Which of the following is true?
    1. NULL values are ignored for all the aggregate functions.
    2. NULL values are included for all the aggregate functions.
    3. When an aggregate function is included in the SELECT clause, all other expressions in the SELECT clause must either be aggregate functions or included in a GROUP BY clause.
    4. A and C.
    5. B and C.
29. Which of the following is true?
    1. BUILT-IN functions in SQL Server are Nondeterministic.
    2. ISNULL function in SQL Server is Deterministic.
    3. All of the above.
    4. None of the above.
30. What is the default join type used when only the keyword JOIN is specified?
    1. LEFT OUTER JOIN
    2. RIGHT OUTER JOIN
    3. SELF JOIN
    4. INNER JOIN
31. The SELECT statement must include which of the following clause:
    1. Where clause
    2. FROM clause
    3. Join.
    4. None of the above.
32. Which of the following options can be used for viewing lock status within your computer running SQL Server?
    1. We can use SQL Profiler to capture lock and blocking information.
    2. We can use the System Monitor that is part of the performance console to capture statistics on lock wait times, locks per second, and so on.
    3. We can use the Activity Monitor in SSMS to see information on blocking processes.
    4. We can use the sys.dm\_tran\_locks dynamic management view to gather information on locks being held by transactions.
    5. All of the above can be used
33. To rollback a portion of a transaction, We have to define \_\_\_.
    1. Savepoints
    2. Checkpoints
    3. Transactions
    4. None of the above.
34. Which of the following is correct?
    1. The DELETE statement can be fired only on table with primary key
    2. The TRUNCATE TABLE statement logs information on each row deleted.
    3. The TRUNCATE TABLE statement executes fast and requires fewer resources on the server.
    4. All of the above.
35. What is the result of the below query: SELECT SUBSTRING(‘CLIENT’, 2, 4) AS 'Substring'
    1. CLIE
    2. LIEN
    3. IENT
    4. No Output, this is not a valid SQL Statement