

Society for Promotion of Vocational & Technical Education [SOVTECH]

Recruitment for the Post of Database Administrator (SDC)

Date of Examination: 04/01/2025

Exam Time: 03:00 PM - 03:30 PM

Exam Slot: A5

ANSWER KEY

| # | Question | Answer Key | Remarks |
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| 1 | <p>What does SQL Server Profiler help with?</p> <p>A. Query optimization B. Monitoring and analyzing database events C. Defining user permissions D. Automating system updates</p> | B | |
| 2 | <p>During SQL Server installation, which of the following is a mandatory prerequisite?</p> <p>A. .NET Framework B. Microsoft Excel C. A minimum of 50 GB disk space D. Adobe Reader</p> | A | |
| 3 | <p>Which type of backup in SQL Server includes only modified extents since the last full backup?</p> <p>A. Copy-Only Backup B. Transaction Log Backup C. Differential Backup D. Full Backup</p> | C | |
| 4 | <p>Which of the following is required for SQL Server 2017 installation?</p> <p>A. A 32-bit operating system B. At least 2 GB of RAM C. Microsoft Office installed D. Python pre-installed</p> | B | |
| 5 | <p>Which of the following is NOT a valid backup type in SQL Server?</p> <p>A. Tail-Log Backup B. Snapshot Backup C. Incremental Backup D. Transaction Log Backup</p> | C | |
| 6 | <p>Which SQL Server Recovery Model provides the least log space usage?</p> <p>A. Full B. Simple C. Bulk-logged D. Transactional</p> | B | |
| 7 | <p>What are the three types of database files in SQL Server?</p> <p>A. Primary, Log, Temporary B. Primary, Secondary, Log C. Master, Temp, Log D. Default, User, System</p> | B | |
| 8 | <p>In MySQL, what is the primary purpose of the "GRANT" statement?</p> <p>A. To monitor database events B. To assign privileges to users C. To create backups of the database D. To manage system updates</p> | B | |
| 9 | <p>In SQL Server, what is a "fixed database role"?</p> <p>A. A role that cannot be modified or removed B. A role used only for system databases C. A temporary role assigned during transactions D. A custom role defined by the user</p> | A | |

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| 10 | <p>In SQL Server, which tool can be used for importing and exporting data?</p> <p>A. SQL Server Management Studio (SSMS) B. SQL Server Profiler C. SQL Server Integration Services (SSIS) D. SQL Server Data Tools (SSDT)</p> | C | |
| 11 | <p>What is the purpose of the "Bulk-Logged" recovery model in SQL Server?</p> <p>A. Minimizing storage for bulk operations while maintaining recoverability B. Ensuring no data loss in any scenario C. Disabling the transaction log temporarily D. Automatically backing up the database</p> | A | |
| 12 | <p>What is the primary difference between Windows Authentication and SQL Server Authentication?</p> <p>A. Windows Authentication is disabled by default. B. SQL Server Authentication relies on SQL Server-specific credentials. C. Windows Authentication uses encryption, while SQL Server Authentication does not. D. SQL Server Authentication supports Active Directory integration.</p> | B | |
| 13 | <p>Which feature in SQL Server is used for automatic failover in case of a server failure?</p> <p>A. Log Shipping B. Database Mirroring C. Clustering D. Backup</p> | C | |
| 14 | <p>What is required to enable SQL Server Clustering?</p> <p>A. Shared storage and Windows Server Failover Clustering (WSFC) B. SQL Server Profiler and Active Directory C. High-speed SSD and SQL Server Authentication D. A 32-bit operating system</p> | A | |
| 15 | <p>Which type of backup includes only the database changes made since the last full backup?</p> <p>A. Full Backup B. Transaction Log Backup C. Differential Backup D. Copy-Only Backup</p> | C | |
| 16 | <p>In MySQL, what command is used to manage user privileges?</p> <p>A. ALTER USER B. GRANT C. MODIFY PRIVILEGES D. SET PERMISSIONS</p> | B | |
| 17 | <p>Which SQL Server feature allows transferring databases across servers with minimal downtime?</p> <p>A. Log Shipping B. Clustering C. Database Mirroring D. Always On Availability Groups</p> | D | |
| 18 | <p>Which recovery model in SQL Server is designed for bulk operations with minimal logging?</p> <p>A. Simple B. Bulk-Logged C. Full D. Incremental</p> | B | |
| 19 | <p>Which component of SQL Server handles database query execution?</p> <p>A. Query Optimizer B. Database Engine C. SQL Server Agent D. Index Manager</p> | B | |

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| 20 | <p>What is the main purpose of SQL Server Authentication?</p> <p>A. To integrate with Active Directory B. To authenticate users with SQL Server credentials C. To enable cross-platform compatibility D. To automate login processes</p> | B | |
| 21 | <p>Which of the following is NOT a transaction isolation level in SQL Server?</p> <p>A. Read Committed B. Serializable C. Uncommitted Lock D. Snapshot</p> | C | |
| 22 | <p>Which MySQL command is used to restore a database from a dump file?</p> <p>A. mysqlimport B. mysqldump C. mysql -u user database < dumpfile.sql D. mysqlrestore</p> | C | |
| 23 | <p>Which type of restore operation allows you to apply a transaction log backup?</p> <p>A. Full Restore B. Differential Restore C. Point-in-Time Restore D. Copy-Only Restore</p> | C | |
| 24 | <p>Which of the following is NOT a system database in SQL Server?</p> <p>A. tempdb B. model C. master D. logs</p> | D | |
| 25 | <p>Which recovery model is most suitable for databases with minimal recovery requirements?</p> <p>A. Full B. Bulk-Logged C. Simple D. Incremental</p> | C | |
| 26 | <p>What is the main purpose of the "Database Engine" in SQL Server?</p> <p>A. To manage user authentication B. To store system logs C. To process and execute SQL queries D. To provide visualization tools</p> | C | |
| 27 | <p>In SQL Server, what is the purpose of "tempdb"?</p> <p>A. Storing system logs B. Serving as a workspace for temporary tables and intermediate results C. Backing up the database automatically D. Configuring database mirroring</p> | B | |
| 28 | <p>In SQL Server, what is a "deadlock"?</p> <p>A. A situation where two transactions wait indefinitely for each other to release locks B. A failure in database connectivity C. A corrupted database file D. A locked table during a backup operation</p> | A | |
| 29 | <p>What type of database file in SQL Server contains the actual data?</p> <p>A. Log File B. MDF File C. Backup File D. Temp File</p> | B | |
| 30 | <p>Which type of backup in SQL Server does not affect the sequence of conventional backups?</p> <p>A. Transaction Log Backup B. Copy-Only Backup C. Differential Backup D. Full Backup</p> | B | |

