



BBB-003-004602

Seat No. _____

B. Sc. (I.T.) (Sem. VI) (CBCS) Examination

July - 2021

**CS - 31 : MS SQL SERVER 2005 Database
Administrations**

Faculty Code : 003

Subject Code : 004602

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 Answer the following Questions : 20

- (1) The amount of time, for the desired sector of a disk to rotate under read-write head of the disk is called?
- (2) Which index is used to perform search on text data?
- (3) Which recovery model take a lot of disk space?
- (4) What is Deadlock?
- (6) Which Isolation is called a "Dirty Read"?
- (6) DBCC stands for?
- (7) Which database provide template for your new database?
- (8) What is the full form mdf?
- (9) Which file stores all the changes or modifications that are made during transaction?
- (10) Rebuilding is used to remove the fragmentation of index. True or false??
- (11) The extension of secondary data file is??
- (12) SAN stands for _____
- (13) Which file is used for recovery purpose?
- (14) What is the full form of ACID property?
- (15) Which License is best where there are multiple users connect to the server via few devices?
- (16) Full form of ETL is??

- (17) RAID _____ level supports stripping.
- (18) List out DDL commands.
- (19) _____ Index is used to perform search on text Data.
- (20) Give full form of SSIS.

- 2** (A) Attempt the following : (Any **Three**) **6**
- (1) List DBCC commands.
 - (2) What is cluster?
 - (3) What is file table?
 - (4) Explain Restore and Recovery of Database.
 - (5) What is Deadlock?
 - (6) List out the Editions of SQL Server.
- (B) Attempt the following : (Any **Three**) **9**
- (1) Create a Table using TSQL.
 - (2) Explain File and File group structure.
 - (3) How to create a Database in SQL SERVER?
 - (4) Explain Stripping method of RAID.
 - (5) Explain OLTP and OLAP system with appropriate examples.
 - (6) What is Index? Explain B-Tree Index.
- (C) Attempt the following : (Any **Two**) **10**
- (1) Explain Database Mirroring with appropriate figure.
 - (2) What is sql commands? List sql commands and explain each of them.
 - (3) What is Restore? Write down the steps to perform Restoration after Backup.
 - (4) What is shrinking and growing databbase?
 - (5) What is Locks? Explain Pessimistic and Optimistic Locking Strategy.

- 3** (A) Attempt the following : (Any **Three**) **6**
- (1) What is log file? Explain with proper example.
 - (2) Explain Scale up?
 - (3) What is Stripping?
 - (4) What is log shipping?
 - (5) What is Disaster Recovery?
 - (6) Explain tempdb and model Databases.
- (B) Attempt the following : (Any **Three**) **9**
- (1) What is Full text search indexing?
 - (2) Explain duties of Architect DBA and Developer DBA.
 - (3) Explain system databases in SQL Server 2005.
 - (4) What is SAN? Explain it with diagram.
 - (5) Explain DBREINDEX and CHECKDB commands of DBCC
 - (6) What is Transaction? Explain ACID Properties.
- (C) Attempt the following : (Any **Two**) **10**
- (1) What is RAID? Explain all RAID Levels with appropriate figures.
 - (2) Explain Fail-over Clustering and Database Mirroring.
 - (3) What is File Group? Explain File Group Architecture.
 - (4) Discuss Non-Repeatable Read problem.
 - (5) Explain four basic types of Isolation Levels in SQL SERVER
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