B. C. A. (Sem. VI) Examination

March / April – 2020

CS-33 : Administration of SQL Server 2008

(Old Course)

Faculty Code : 003

Subject Code : 003603

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Answer the following questions :   **20**

1)   RAID _____ level supports stripping.

2)   SAN stands for _____ .

3)   Which Isolation is called a "Dirty Read"?

4)   Full backup is required for differential backup in sql server. True or False.

5)   Which file stores all the changes or modifications that are made during transaction?

6)   Rebuilding is used to remove the fragmentation of index? True or False.

7)   Full form of .ldf _____ .

8)   With which type of index, the bottom level of an index does contain data only _____ ?

9)   ACID stands for _____ .

10)   ETL stands for _____ .

11)   ETH DBA is a one type of DBA. True or False.

12)   List out DDL commands.

13)   _____ Index is used to perform search on text Data.

14)   SSIS stands for _____ .

15)   RAID stands for _____ .

16)   What is the use of DBCC INDEXDEFRAG command?

17)   In which type of Failure you need backup and restore facility in database?

18)   On which column, SQL server automatically create an Index?

19)   List out the names of the System Databases.

20)   The extension of secondary data file is?

2   (a)   Attempt the following questions : (Any **Three**)   6

1)   Explain tempdb and model Databases.

2)   Explain Shared Lock and Update Lock.

3)   What is Stripping?

4)   What is Page Restore?

5)   What is Disaster Recovery?

6)   What is Backup?

(b)   Attempt the following questions : (Any **Three**)   9

1)   What is Full text search indexing?

2)   Create a Table using TSQL.

3)   Explain I/0 Fundamentals in brief.

4)   What is SAN? Explain it with diagram.

5)   Explain Log shipping with an appropriate example.

6)   What is Transaction? Explain ACID Properties.

(c)   Attempt the following questions : (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 Restore? Write down the steps to perform Restoration after Backup.

4)   Discuss Non-Repeatable Read problem.

5)   What is Replication? Explain Types of Replication.

3   (a)   Attempt the following questions : (Any **Three**)   6

1)   What is mirroring?

2)   Discuss Data types of SQL SERVER.

3)   What is log file? Explain with proper example.

4)   Explain the duties of Developer DBA and Architect DBA.

5)   What is Deadlock?

6)   List out the Editions of SQL Server.

(b)   Attempt the following questions : (Any **Three**)   9

   1)   Explain duties of Architect DBA and Developer DBA.

   2)   What is Index? Explain B-Tree Index.

   3)   How to create a Database in SQL SERVER?

   4)   Explain DBREINDEX and CHECKDB commands of DBCC

   5)   Explain OLTP and OLAP system with appropriate examples.

   6)   Explain Bulk-logged Recovery model.

(c)   Attempt the following questions : (Any **Two**)   10

   1)   What is File Group? Explain File Group Architecture.

   2)   Explain Full and Bulk logging Recovery model.

   3)   What is Locks? Explain Pessimistic and Optimistic Locking Strategy.

   4)   Differentiate Clustered index and Non-clustered index.

   5)   Explain four basic types of Isolation Levels in SQL SERVER.

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