



**NAO-003-003622**      Seat No. \_\_\_\_\_

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

**March / April - 2017**

**Administration of SQL Server - 2012**

**Faculty Code : 003**

**Subject Code : 003622**

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

[Total Marks : 70

**1**    Attempt following questions : **20**

- (1) Write a T-SQL statement for Rename a Database.
- (2) Full form of RAID is \_\_\_\_\_.
- (3) All Anti-Virus work with a database that contains information about viruses, this information is called the \_\_\_\_\_.
- (4) What is the extension of Secondary data file?
- (5) DBCC \_\_\_\_\_ which displays information about how the stored procedure cache is being used.
- (6) Full form of TDE is \_\_\_\_\_.
- (7) Which types of files are automatically created when we create database in SQL Server?
- (8) Full form of LSN is \_\_\_\_\_.
- (9) What is Log File?
- (10) What is Database?
- (11) When \_\_\_\_\_ database option set to ON, the Database Engine Automatically Shrinks databases that have free space.

- (12) A \_\_\_\_\_ is a read only static view of SQL Server Database.
- (13) The Index nodes which are organized in a \_\_\_\_\_ Structure.
- (14) The primary data file will always resides in the \_\_\_\_\_ Filegroup.
- (15) \_\_\_\_\_ is the preferred file system for installations of SQL Server because it is more Stable and recoverable than \_\_\_\_\_ file system.
- (16) An \_\_\_\_\_ is eight contiguous pages, or 64 KB of Storage.
- (17) Give full form of OLTP.
- (18) Clustering across geographically dispersed sites is sometimes referred to as \_\_\_\_\_.
- (19) The most common usage of System Stored Procedure \_\_\_\_\_ which determines the amount of space used for databases.
- (20) \_\_\_\_\_ provides for the logical grouping of files.

**2** (a) Attempt the following questions : (any **three**) **6**

- (1) Explain ETL DBA.
- (2) What is DNS?
- (3) Explain SAN Advantages.
- (4) Discuss the Requirement of Backup.
- (5) What is Restore?
- (6) What is Replication?

- (b) Attempt the Following Questions : (any **three**) **9**
- (1) Explain Clustered Index and Non Clustered Index.
  - (2) Explain the Full Database Backup.
  - (3) Write a note on Index Architecture.
  - (4) Explain Log Shipping.
  - (5) Discuss the Designing Storage of New Database.
  - (6) Write steps to Configure Filestream.
- (c) Attempt the following questions : (any **two**) **10**
- (1) Explain different types of Replication.
  - (2) Write a note on Recovery Models.
  - (3) Discuss Index Maintenance and Tuning.
  - (4) Explain Restoring database protected with TDE.
  - (5) Discuss on Evaluating Installation Requirement of SQL Server 2012.
- 3** (a) Attempt the following questions : (any **three**) **6**
- (1) Explain Basic duties of DBA.
  - (2) Explain OLAP DBA.
  - (3) What is Disaster Recovery?
  - (4) What is Transaction?
  - (5) What is Shared lock?
  - (6) Explain the Page Restore.
- (b) Attempt the following questions : (any **three**) **9**
- (1) Explain Scale up and Scale out.
  - (2) Discuss SQL Server Licensing.
  - (3) Explain Backup of System Databases.
  - (4) Explain the difference between Log Shipping and Database Mirroring.
  - (5) Explain ACID Properties.
  - (6) Discuss Tracking Missing Indexes.

(c) Attempt the Following Questions : (any two) **10**

- (1) Write a note on Shrinking and Growing Database.
- (2) Write a note on I/O Fundamental.
- (3) Explain Failover Clustering.
- (4) Explain the Managing Full Text Indexing.
- (5) Discuss the Clustering AlwaysOn Features of SQL Server 2012.

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