MAO-003-003622   Seat No. _____

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

March / April - 2018

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) What is Database?

    (2) What is Isolate Services?

    (3) What is Cold Standby Server?

    (4) By default, the _____ database automatically grows as space is required, because the MAXSIZE of the files is set to UNLIMITED.

    (5) What is Publisher?

    (6) What is Firewall?

    (7) Network Security starts with authenticating, commonly with _____ and _____.

    (8) CAL stands for _____.

    (9) What is DBA?

    (10) Within the Data files, SQL Server Stores data in _____ blocks of Contiguous disk space, known as _____.

    (11) What is Index?

    (12) The major advantages of FileTable which has _____ Compatibility for file data stored within SQL Server database.

    (13) What is Sparse File?

    (14) Which files automatically created when we create database in SQL Server?

(15) What is Disk Striping?

(16) _____ Lock is used for read only Operation.

(17) What is Backup?

(18) What is Restore?

(19) What is Transaction?

(20) If an Index Page is not completely full in other words, if there is free space on the page, the index takes up more space than it needs and is said to be _____

2   (A)   Attempt the Following Questions : (Any **Three**)   6

    (1)   Explain Scale up and Scale out.

    (2)   Discuss the File and Page Restore.

    (3)   Explain Basic Duties of DBA.

    (4)   What is Log Shipping?

    (5)   What are advantages of SAN?

    (6)   Explain ETL DBA.

    (B)   Attempt the Following Questions : (Any **Three**)   9

    (1)   Explain SQL Server 2012 Licensing.

    (2)   Discuss Shrinking and Growing Database.

    (3)   Explain Development DBA.

    (4)   Explain Advantages and Disadvantages of Lock in OLTP systems.

    (5)   Explain ACID Properties.

    (6)   Discuss Index Architecture.

    (C)   Attempt the Following Questions : (Any **Two**)   10

    (1)   Write a note on Network Level Security and Antivirus.

    (2)   Write a note on Index Maintenance and Tuning.

    (3)   Explain different types of Replication.

    (4)   Discuss the Evaluating Installation Requirement of SQL Server 2012.

    (5)   Explain Designing Storage of New Database.

3 (A) Attempt the Following Questions : (Any **Three**)   **6**

    (1) What is High Availability of Server?

    (2) What is Replication?

    (3) Explain the Lock Fundamentals.

    (4) What is Failover Clustering?

    (5) Define Restore and Recovery.

    (6) Explain OLAP DBA.

(B) Attempt the Following Questions : (Any **Three**)   **9**

    (1) Explain any three DBCC Commands.

    (2) Explain the Back up of System databases.

    (3) Discuss on Database Snapshot.

    (4) Explain Row Lock and Page Lock.

    (5) Write a note on Logging Information.

    (6) Explain Active and Passive Cluster Configuration.

(C) Attempt the Following Questions : (Any **Two**)   **10**

    (1) Explain Multi-subnet Failover Clustering

    (2) Explain the Configure FileStream and FileTable.

    (3) Explain Database Mirroring in detail.

    (4) Discuss the different Isolation Levels.

    (5) Explain different types of Backup.