BBM-003003622   Seat No. _____

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

July - 2021

CS-33 : Administration of SQL Server 2012

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

1   Answer the following :   **20**
    (1) What is index ?
    (2) What is sparse file ?
    (3) What is Disk Striping ?
    (4) What is database ?
    (5) What is Isolate Services ?
    (6) What is Publisher ?
    (7) What is Firewall ?
    (8) CAL Stands for _____.
    (9) What is DBA ?
    (10) DNS Stands for _____.
    (11) OLAP Stands for _____.
    (12) RAID Stands for _____.
    (13) _____ Lock is used to read only operation.
    (14) What is Restore ?
    (15) What is Back-up ?
    (16) What is Transaction ?
    (17) The major advantage of FileTable which has _____ Compatibility for file data stored within SQL Server database.
    (18) Which files are automatically created when we create database in SQL Server ?
    (19) SAN Stands for _____.
    (20) ACID Stands for _____.

2   (a) Attempt any **three** :   **6**
        (1)   What is Replication ?
        (2)   What is OLAP DBS ?
        (3)   What is high availability of server ?
        (4)   What is Replication ?
        (5)   Explain the Lock Fundamentals.
        (6)   What is Failover Clustering ?

(b) Attempt any **three** :   9
   (1) Explain Row Lock and Page Lock.
   (2) Explain Logging Information.
   (3) Explain Active and Passive Cluster Configuration.
   (4) Explain Back Up of system database.
   (5) Explain any two DBCC Command with example.
   (6) Explain Database Snapshot.

(c) Attempt any **two** :   10
   (1) Explain Multi Subnet Failover Clustering.
   (2) Explain the configure FileStream and FileTable.
   (3) Explain database Mirroring.
   (4) Explain the different isolation levels.
   (5) Explain Types of Backup.

3 (a) Attempt any **three** :   6
   (1) What is scale up and scale out ?
   (2) What is file and page restore ?
   (3) List out basic duty of DBA.
   (4) What is Log shipping ?
   (5) What are advantage of SAN ?
   (6) Explain ETL DBA.

   (b) Attempt any **three** :   9
   (1) Write advantage and disadvantage of lock in OLTP systems.
   (2) Explain ACID Properties.
   (3) Explain Index Architecture.
   (4) Explain SQL server 2012 Licensing.
   (5) Explain shrinking and growing database.
   (6) Explain development DBA.

   (c) Attempt any **two** :   10
   (1) Explain types of replication.
   (2) Explain the evaluating installation requirement of SQL Server 2012.
   (3) Explain Designing Storage of new Database.
   (4) Write a note on network level security and antivirus.
   (5) Explain index maintenance and tuning.