DB-003-003622   Seat No. _____

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

April / May – 2015

Administration of SQL Server - 2012

Faculty Code : 003

Subject Code : 003622

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

1   Attempt the following :   20

(1)   How many files automatically created when we create database in SQL Server ?

(A)   1   (B)   2

(C)   3   (D)   4

(2)   _____ is responsible for maintaining database within an organization.

(A)   Production DBA   (B)   Architect DBA

(C)   ETL DBA   (D)   None

(3)   DCL stands for _____

(A)   Data Controlling Language

(B)   Data Control Language

(C)   Data Consistency Language

(D)   None

(4)   When creating a table in SQL Server which are required things ?

(A)   Field Name

(B)   Data Type

(C)   Both Field and Data Type

(D)   Only Size

(5)   Local DB was introduced in which of the following versions of SQL Server ?

(A)   2012   (B)   2008

(C)   2005   (D)   2008 R2

(6) _____ is free database software running free SQL Server technology.

(A) SQL Server Express

(B) SQL Server Workgroup

(C) SQL Server web

(D) SQL Server Enterprise

(7) Which of the following is not a type of backup ?

(A) Database backup   (B) Data Backup

(C) Table Backup   (D) All of the above

(8) _____ backups represent the whole database at the time the backup finished.

(A) copy-only backup   (B) database backup

(C) data back up   (D) All of above

(9) Which command is used to shrink the database automatically ?

(A) SHRINK   (B) AUTO_SHRINK

(C) SHRINK_DB   (D) DB_SHRINK

(10) Stripping with parity is also known as RAID_____.

(A) 0   (B) 1

(C) 10   (D) 5

(11) How many log file exists per database ?

(A) 2   (B) 1

(C) 4   (D) 3

(12) SSAS stands for _____.

(A) sql server analytical service

(B) sql server apache service

(C) sql server analysis service

(D) sql server authentication service

(13) Architect dba is also known as _____.

(A) data analysis   (B) all

(C) design architect (D) data architect

(14) Which index is used to perform search on text data?

(A) Clustered Index

(B) Full-Text index

(C) Non-Clustered Index

(D) Indexed View

(15) In ACID property "D" stands for

    (A) Duration   (B) Done

    (C) Durability   (D) Devasting

(16) SAN stands for _____.

    (A) Steer Area Net

    (B) Storage Area Network

    (C) Storage Area Neural Network

    (D) Stop Area Network

(17) Which recovery model recovers only transactional log files ?

    (A) Bulk-logged Recovery Model

    (B) Simple Recovery Model

    (C) Full Recovery Model

    (D) All

(18) RAID stands for _____.

    (A) Redundant Array of Independent Disk

    (B) Redundant Array of Important Disk

    (C) Resultant Array of Independent Disk

    (D) Random Array of Independent Disk

(19) Which edition is developed for small organization ?

    (A) Standard edition   (B) Enterprise edition

    (C) Workgroup edition (D) Mobile edition

(20) _____ are types of replication.

    (A) Merge replication

    (B) Snapshot replication

    (C) Transactional replication

    (D) All

2   (a)   Attempt any three :   **6**

    (1) Explain scale up and scale out.

    (2) Explain File and Page Restore.

    (3) Explain Filestream and Filetable,

    (4) Explain types of Backup.

    (5) Write a note on Log Shipping.

    (6) Explain Restore and Recovery of Database.

(b) Attempt any three : **9**
    (1) Explain Shrinking and growing database.
    (2) Explain Basic duties of DBA.
    (3) Explain I/O Fundamental.
    (4) Explain DNS and IP Benchmarking
    (5) Explain Database Snapshot.
    (6) Explain Indexed views.

(c) Attempt any two : **10**
    (1) Explain installing and upgrading steps for SQL SERVER 2012.
    (2) Explain Windows cluster configuration.
    (3) Explain Managing Full text indexing.
    (4) Explain Index and types of Index.
    (5) Explain Transactional log backup.

3 (a) Attempt any three : **6**
    (1) Write a note on ETL and OLAP DBA.
    (2) Explain Basic DBCC Commands.
    (3) Write a note on how to track missing indexes.
    (4) Explain Backup and requirements of Backup.
    (5) Explain Recovery models and Logging information.
    (6) Explain advantage and disadvantage of lock in OLAP systems.

(b) Attempt any three : **9**
    (1) Explain Window level and service level security for SQL 2012.
    (2) Explain Index architecture.
    (3) Explain Isolation levels and types of new isolation levels.
    (4) Explain different SQL Server Editions.
    (5) Write a note on Database Mirroring.
    (6) Write a note of Disaster Recover.

(c) Attempt any two : **10**
    (1) Explain RAID and its levels in detail.
    (2) Explain Replication and types of Replication.
    (3) Explain Fundamental of Locks with Row, Page & Table level locks.
    (4) Write a note on Failover Clustering.
    (5) Explain ACID properties.