



AAI-003-003603      Seat No.

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

March / April - 2016

CS-33 : Administration of SQL Server - 2008

Faculty Code : 003  
Subject Code : 003603

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

(1) SSMS stands for \_\_\_\_\_  
(A) SQL Server Management Studio  
(B) SQL Service Management Studio  
(C) Storage Server Management Studio  
(D) SQL Server Management Storage

(2) \_\_\_\_\_ is not a type of DBA.  
(A) Production (B) Development  
(C) Deployment (D) ETL

(3) In ACID property 'C' stands for \_\_\_\_\_  
(A) Constant (B) Consistency  
(C) Correctness (D) Collective

(4) What is an extension of secondary file in a database?  
(A) .sdf (B) .pdf  
(C) .ldf (D) .ndf

(5) Indexes in SQL Server use a structure known as?  
(A) Balanced Tree (B) Binary Tree  
(C) Between Tree (D) Bulk Tree

(6) Which of the following is not a type of backup?  
(A) Full Backup (B) Transaction log  
(C) Differential (D) Simple

(7) \_\_\_\_\_ database is read only and hidden that contains definitions of all of the system objects.  
(A) Master (B) Resource  
(C) Model (D) Tempdb

(8) Which isolation level is also called "Dirty Read"?

(A) Repeatable Read      (B) Read Committed  
(C) Read uncommitted      (D) Tempdb

(9) Windows server 2008 supports upto \_\_\_\_ nodes.

(A) 2      (B) 4  
(C) 8      (D) 16

(10) Which one of the following is not a role of servers in Database Mirroring?

(A) Principal      (B) Mirror  
(C) Witness      (D) Client

(11) \_\_\_\_\_ is a type of Replication.

(A) Merge Replication  
(B) Transactional Replication  
(C) Snapshot Replication  
(D) All

(12) Which type of lock is called "Hybrid" lock?

(A) Shared      (B) Exclusive  
(C) Update      (D) Intent

(13) \_\_\_\_\_ is used to restore damaged files instead of full restore.

(A) Page Restore  
(B) File or Filegroup Restore  
(C) Table Restore  
(D) Database Restore

(14) LSN stands for \_\_\_\_\_

(A) Large Series Number  
(B) Log Series Number  
(C) Log Sequence Number  
(D) Large Sequence Number

(15) Which index stores actual data structure at leaf level of B-Tree?

(A) Clustered      (B) Non- Clustered  
(C) Full text      (D) Indexed View

(16) \_\_\_\_\_ property is used to automatically generate a unique value for a column.

(A) Null      (B) Not null  
(C) Unique      (D) Identity

(17) Full form of SAN is \_\_\_\_\_

- (A) Steer Area Network
- (B) Storage Area Network
- (C) Storage Area Neural Network
- (D) Stop Area Network

(18) Which RAID level is also known as Disk Striping?

- (A) Level 0
- (B) Level 1
- (C) Level 2
- (D) Level 3

(19) The \_\_\_\_\_ command is used to clear out stored procedures for a specific database on SQL Server.

- (A) DBCC DROPCLEANBUFFER
- (B) DBCC FREEPROCCACHE
- (C) DBCC FLUSHPROCINDB
- (D) DBCC CACHESTATS

(20) Which edition is developed for small organization?

- (A) Standard
- (B) Enterprise
- (C) Web
- (D) Workgroup

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

- (1) Explain editions of SQL Server 2008.
- (2) Explain any four DBCC Commands.
- (3) Give advantages of SAN.
- (4) What is DBA? Explain roles of DBA.
- (5) Give advantages of Transactional Log back up.
- (6) What is disaster Recovery?

(b) Attempt any **three** : 9

- (1) Explain Basic duties of DBA.
- (2) Explain how to create Indexed View.
- (3) Explain I/O Fundamental.
- (4) Write a note on RAID and its level.
- (5) Write short note on database snapshot.
- (6) Explain ETL DBA and its process.

(c) Attempt any **two** : 10

- (1) Write steps to install and configure SQL Server 2008.
- (2) Explain Transactional Log Backup.
- (3) What is restore? Explain full-recovery model in brief.
- (4) What is Replication? List out and explain types of it.
- (5) Explain activities of Index Maintenance.

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

- (1) Explain concept of point in time recovery.
- (2) What is Backup? Explain its requirements.
- (3) Explain the terms Row, Page and Table Level Locks.
- (4) Write a note on Log Shipping.
- (5) Explain advantages and disadvantages of lock in OLAP System.
- (6) Write steps to upgrade SQL Server 2005 to SQL Server 2008.

(b) Attempt any **three** : 9

- (1) List out and explain data types of SQL Server 2008.
- (2) Write a note on Database Mirroring.
- (3) Write a note on Index Architecture.
- (4) How to take Backup of System Database ?
- (5) Write a note on Isolation Levels.
- (6) Explain Acid Properties.

(c) Attempt any **two** : 10

- (1) Write a note on Index Tuning.
- (2) Explain File and FileGroup Backup.
- (3) Explain bulk-logged recovery model in brief.
- (4) Explain failover clustering in brief.
- (5) List out and explain different types of Locks.