



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 Attempt the following : 20

- (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 FREEPROCACHE
 - (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.