



**DB-003-003603**

Seat No. \_\_\_\_\_

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

**April / May – 2015**

**CS - 33 : Administration of SQL Server - 2008**

*(Old Course)*

**Faculty Code : 003**

**Subject Code : 003603**

Time :  $2\frac{1}{2}$  Hours

[Total Marks : 70

1 Answer following MCQ : 20

- (1) SAN stands for \_\_\_\_\_
  - (A) Secured Area Network
  - (B) System Area Network
  - (C) Storage Area Network
  - (D) Stored Area Network
- (2) \_\_\_\_\_ default database created automatically when SQL server is installed.
  - (A) Master
  - (B) Model
  - (C) Root
  - (D) Both (A) and (B)
- (3) SQL server stores index information in the \_\_\_\_\_ system table.
  - (A) Sysindexes
  - (B) Sysind
  - (C) Systemindexes
  - (D) None of the above
- (4) \_\_\_\_\_ default isolation level in SQL server.
  - (A) Read Uncommitted
  - (B) Read Committed
  - (C) Repeatable Read
  - (D) Serializable
- (5) SQL Server automatically creates an index on \_\_\_\_\_.
  - (A) Primary Key
  - (B) Foreign Key
  - (C) Both (A) and (B)
  - (D) None of the above
- (6) Character range of identifier in SQL is \_\_\_\_\_.
  - (A) 1 to 32
  - (B) 1 to 64
  - (C) 1 to 128
  - (D) 1 to 256

- (7) In \_\_\_\_\_ type of cursor the key values of the rows are saved in tempdb.
- (A) Keyset                      (B) Static  
(C) Dynamic                      (D) Forward\_only
- (8) SSIS stands for \_\_\_\_\_
- (A) SQL Server Integrated Services  
(B) SQL Server Integration Services  
(C) SQL Server Integrated Systems  
(D) SQL Server Integration Systems
- (9) Using \_\_\_\_\_ we can restore the database to the point where it failed.
- (A) System Log                      (B) File Log  
(C) Transaction Log                      (D) All of the above
- (10) \_\_\_\_\_ is not a valid database state.
- (A) PENDING                      (B) ONLINE  
(C) OFFLINE                      (D) RECOVERY PENDING
- (11) Database Snapshot looks like an ordinary \_\_\_\_\_ database, from the user's point of view.
- (A) read-write                      (B) read-only  
(C) updatable                      (D) None of above
- (12) RAID stands for \_\_\_\_\_.
- (A) Redundant Access of Independent Disks  
(B) Regular Array of Independent Disks  
(C) Redundant Array of Independent Disks  
(D) Regular Access of Independent Disks
- (13) \_\_\_\_\_ is not a type of backup.
- (A) table backup                      (B) copy-only backup  
(C) full backup                      (D) partial backup
- (14) \_\_\_\_\_ is not a type of database administrator.
- (A) OLAP DBA                      (B) Deployment DBA  
(C) ETL DBA                      (D) OLAP DBA
- (15) \_\_\_\_\_ command used to determine the fragmentation.
- (A) DBCC CHECKDB  
(B) DBCC HELP  
(C) DBCC SHOW\_STATISTICS  
(D) DBCC SHOWCOUNTING

- (16) There are \_\_\_\_\_ main performance factors related to disk drive performance.
- (A) One (B) Two  
(C) Three (D) Four
- (17) RAID \_\_\_\_\_ level is known as Disk Mirroring.
- (A) 0 (B) 1  
(C) 5 (D) None of the above
- (18) \_\_\_\_\_ is not an edition of SQL.
- (A) Compact (B) Embedded  
(C) Webgroup (D) Evaluation
- (19) OLTP stands for
- (A) Online Transaction Processing  
(B) Offline Transaction Processing  
(C) Online Transfer Processing  
(D) Online Transaction Programming
- (20) The first part of an ETL process involves \_\_\_\_\_.
- (A) Transforming it to fit operational needs.  
(B) Extracting data from outside sources  
(C) Loading it into the end target  
(D) None of the above

**2** Answer following questions :

- (a) Write any three out of six : **6**
- (1) What is Index ?  
(2) Explain: Log Shipping  
(3) What do you mean by OLTP System ?  
(4) What are basic duties of DBA ?  
(5) Explain : SAN  
(6) Explain Production DBA.
- (b) Write any three out of six : **9**
- (1) Write a note on configuration server.  
(2) What do you mean by RAID ?  
(3) List and explain types of Index.  
(4) Explain in detail : Recovery  
(5) List out advantages and disadvantages of Lock in OLTP systems.  
(6) What is Disaster Recover ?

- (c) Write any two out of five : 10
- (1) Write a brief note on installation and upgrading of SQL server.
  - (2) Explain : Architect DBA
  - (3) What are Recovery Models ?
  - (4) List and explain ACID properties.
  - (5) What do you mean by Failover Clustering ?
- 3** Answer following questions :
- (a) Write any three out of six : 6
- (1) What is Replication ?
  - (2) List out DBACC commands.
  - (3) Write steps to create user database.
  - (4) What is Transaction ?
  - (5) Explain restoring database from backup.
  - (6) Write a note on database snapshot.
- (b) Write any three out of six : 9
- (1) What are requirements of back up ?
  - (2) Write a note on OLAP DBA.
  - (3) How will you configure security in SQL Server ?
  - (4) Explain in detail : Indexed Views
  - (5) List and explain types of backup.
  - (6) Explain Row and Page level locks.
- (c) Write any two out of five : 10
- (1) Write a note on SAN advantages.
  - (2) How to use graphs to view database details ?
  - (3) What are advantages of Transactional log backup ?
  - (4) List and explain Isolation Levels.
  - (5) How to maintain index and its tuning ? Explain in detail.