



JC-003-003622

Seat No. _____

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

August – 2019

CS - 33 : Administration of SQL Server 2012
(Old Course)

Faculty Code : 003

Subject Code : 003622

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

[Total Marks : 70

1 Attempt the following : 20

(1) _____ DBA provides knowledge and expertise in developing application.

- (A) Production (B) Architect
(C) Deployment (D) ETL

(2) DCL stands for _____

- (A) Data Controlling language
(B) Data consistency language
(C) Data control language
(D) None

(3) Architect dba is also known as _____

- (A) Data architect (B) Design architect
(C) Data analysis (D) All

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

- (A) Clustered index (B) Non-clustered index
(C) Full-text index (D) Indexed view

(5) DNS stands for _____

- (A) Domain name system (B) Data name system
(C) Domain name server (D) Data name server

(6) _____ is a read only static view of database.

- (A) Snapshot (B) Primary file
(C) Transaction log file (D) index

- (7) RAID stands for _____
 (A) Random array of inexpensive disk
 (B) Redundant array of inexpensive disk
 (C) Redundant array of important disk
 (D) None
- (8) Which level is also known as mirroring?
 (A) Level 0 (B) Level 3
 (C) Level 1 (D) Level 10
- (9) Which of the following is not a type of backup
 (A) Full database backup
 (B) Table backup
 (C) File and file group backup
 (D) Transaction log backup
- (10) _____ is a procedure handled by DBA for getting back data at original place from backup
 (A) Indexing (B) Restore
 (C) Lock (D) None
- (11) Which of the following is a type of lock?
 (A) Shared (B) Exclusive
 (C) Intent (D) All of above
- (12) By default sql server has _____ isolation level.
 (A) Read uncommitted (B) Read committed
 (C) Repeatable read (D) Serializable
- (13) SAN stands for _____
 (A) Storage area network
 (B) System area network
 (C) System administration network
 (D) None
- (14) Full form of LSN is _____
 (A) List serial number (B) List sequence number
 (C) Log sequence number (D) Log serial number
- (15) _____ is not a role of server in database mirroring configuration
 (A) Principal (B) Mirror
 (C) Witness (D) Client

- (16) A/an _____ is an eight contiguous pages, or 64 kb of storage.
- (A) Page (B) Extent
(C) File (D) Block
- (17) _____ is an extension of transaction log file
- (A) .mdf (B) .ldf
(C) .ndf (D) bak
- (18) _____ is a type of replication
- (A) Transactional (B) Merge
(C) Snapshot (D) All of above
- (19) DBCC _____ command periodically perform reorgatiozation of database.
- (A) DBCC PROCACHE
(B) DBCC SHOWCONTIG
(C) DBCC Reindex
(D) DBCC INDEXFRAG
- (20) SSAS stands for _____
- (A) Sql server authentication service
(B) Sql server analysis services
(C) Sql server apache service
(D) Sql server analyse server

2 (A) Attempt the following questions : (Any **Three**) **6**

- (1) Explain different editions of sql server 2012.
- (2) Write a note on OLAP.
- (3) What is T-SQL?
- (4) Explain Architect DBA.
- (5) What is restore?
- (6) Explain basic DBCC commands.

- (B) Attempt any **three** : **9**
- (1) Explain Database snapshot.
 - (2) Duties of DBA.
 - (3) Explain Index Architecture.
 - (4) Explain log shipping.
 - (5) Explain DNS and IP benchmarking.
 - (6) Explain Clustered Index and Non clustered Index.
- (C) Attempt any **two** : **10**
- (1) Explain different types of backup.
 - (2) Explain different types of Replication.
 - (3) Explain windows cluster configuration.
 - (4) Explain ACID properties.
 - (5) Write a note on I/O fundamental.
- 3** (A) Attempt the following questions : (Any **Three**) **6**
- (1) Explain page restore.
 - (2) What is backup and requirement of backup.
 - (3) Advantages of SAN.
 - (4) What is Database?
 - (5) What is high availability server.
 - (6) What is transaction.?
- (B) Attempt any **three** : **9**
- (1) Write note on Database Mirrioring.
 - (2) Write note on Isolation levels.
 - (3) Write steps to create database.
 - (4) Write note on index maintenance.
 - (5) Write steps to configure file stream.
 - (6) Discuss tracking missing indexes.
- (C) Attempt any **two** : **10**
- (1) Write a note on recovery models.
 - (2) Explain RAID and its levels.
 - (3) Write note on failover clustering.
 - (4) Explain fundamentals of lock
 - (5) Write a note on shrinking and growing database.