



AAI-003-003622 Seat No.

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

March / April - 2016

CS-33 : 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

(14) Which recovery model doesn't allow log file backup?
(A) Bulk-logged model
(B) Full Recovery model
(C) Transaction Log model
(D) Simple model

(15) _____ Index is used to perform search on text data.
(A) Full text Index
(B) Clustered Index
(C) Non Clustered Index
(D) Indexed View

(16) In ACID property 'A' stands for
(A) Action (B) Atom
(C) Atomicity (D) Acidic

(17) Which of the following is a type of lock?
(A) Exclusive (B) Shared
(C) Intent (D) All

(18) _____ is not a role of server in database mirroring configurations.
(A) Principal (B) Client
(C) Mirror (D) Witness

(19) _____ is types of replication.
(A) Merge (B) Transactional
(C) Snapshot (D) All

(20) By default SQL Server has _____ isolation level.
(A) Read Committed (B) Read Uncommitted
(C) Repeatable Read (D) Serializable

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

- (1) Explain different editions of SQL Server 2012.
- (2) Explain advantages of Transactional log backup.
- (3) Write a note on OLAP DBA.
- (4) Explain scale up and scale out.
- (5) What is File & Page Restore?
- (6) Explain Basic DBCC Commands.

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

- (1) Explain Index Architecture.
- (2) Difference between Clustered Index v/s Non-Clustered Index.
- (3) What are basic duties of DBA?
- (4) How to Shrink & Grow Database? Explain it.
- (5) Write a note on Isolation Levels in SQL Server 2012.
- (6) Explain Database snapshot.

(c) Attempt any two: 10

- (1) Explain RAID and its levels in detail.
- (2) Write steps for installing and upgrading SQL Server 2012.
- (3) Explain ACID properties.
- (4) What is Backup? Explain requirement of Backup.
- (5) Write a note on Replication and its types.

3 (a) Attempt any three : 6

- (1) Explain FileStream and Filetable.
- (2) Write a note on Log Shipping.
- (3) Explain Restore and Recovery of Database.
- (4) Explain ETL DBA and its process.
- (5) What are installation requirement of SQL Server 2012 ?
- (6) What are advantages of SAN ?

(b) Attempt any three : 9

- (1) Write a note on Disaster Recovery.
- (2) Explain fundamental of I/O.
- (3) Explain Indexed Views.
- (4) Write a note on Database Mirroring.
- (5) Explain DNS and IP Benchmarking.
- (6) Explain anatomy of B-Tree Structure.

(c) Attempt any two : 10

- (1) Write a note on Failover Clustering.
- (2) Explain Locks with Row, Page & Table level.
- (3) Explain windows cluster configuration.
- (4) How to view database details using different kind of graphs ? Explain it.
- (5) Write a note on Index Tuning.
