



PH-003-003622

Seat No. _____

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

July - 2018

CS - 33 : Administration of SQL Server 2012

(New Course)

Faculty Code : 003

Subject Code : 003622

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

[Total Marks : 70

1 Attempt the following Questions : 20

- (1) What is Database ?
- (2) Write a T-SQL Statement to create a user defined Database.
- (3) What is DBA ?
- (4) What is Index ?
- (5) What is Disk Striping ?
- (6) What is Backup ?
- (7) What is Replication ?
- (8) What is NetBIOS ?
- (9) What is Transaction ?
- (10) What is Fill Factor ?
- (11) What is Firewall ?
- (12) What is Restore ?
- (13) Full form of SSMS is _____
- (14) TDE Stands for _____
- (15) CAL Stands for _____
- (16) _____ Lock is used to read only Operation.
- (17) When a page is modified in the buffer cache and isn't moved immediately to disk it is marked as _____

- (18) The Major Advantages of File Table which has _____ Compatibility for file data stored within SQL Server database.
- (19) If an Index Page is not completely full in other words, if there is free space on the page, the index takes up more space than it needs and is said to be _____
- (20) The most common usage of _____ System Stored Procedure is to determine the amount of space used for database.

- 2** (A) Attempt the following Questions : (Any **Three**) **6**
- (1) Discuss Basic duties of DBA.
 - (2) Explain Architect DBA.
 - (3) Explain Scale up and Scale out.
 - (4) Explain SAN Advantages.
 - (5) Explain Restore and Recovery of Database.
 - (6) What is Log Shipping ?
- (B) Attempt the following Question : (Any **Three**) **9**
- (1) Explain different SQL Server Editions.
 - (2) Discuss Shrinking and Growing Database.
 - (3) Explain ACID Properties.
 - (4) Discuss Index Architecture.
 - (5) Discuss the Database Snapshot.
 - (6) Discuss the advantages of Transactional Log Backup.
- (C) Attempt the following Questions : (Any **Two**) **10**
- (1) Explain RAID and its levels in detail.
 - (2) Explain different types of Index.
 - (3) Explain different Recovery Models in detail.
 - (4) Discuss the Evaluating Installation Requirement of SQL Server 2012.
 - (5) Write a note on Network Level Security and Antivirus.

- 3** (A) Attempt the following Questions : (Any **Three**) **6**
- (1) Explain OLAP DBA.
 - (2) Explain Functionalities of DNS.
 - (3) What is File and Page Restore?
 - (4) Explain the Lock Fundamentals.
 - (5) What is Failover Clustering?
 - (6) What is Replication?
- (B) Attempt the following Questions : (Any **Three**) **9**
- (1) Explain any three DBCC Commands.
 - (2) Explain Indexed Views.
 - (3) Explain Designing Storage of New Database.
 - (4) Discuss the Advantages and disadvantages of Lock in OLTP System.
 - (5) Explain Restoring Database protected with TDE
 - (6) Explain Active and Passive Cluster Configuration.
- (C) Attempt the following Questions : (Any **Two**) **10**
- (1) Explain I/O Fundamentals in detail
 - (2) Explain Database Mirroring in detail
 - (3) Explain different types of Backup.
 - (4) Explain Multi-subnet Failover Clustering.
 - (5) Discuss the different Isolation Levels
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