B. Sc. (I. T.) (Sem. VI) (CBCS) Examination

July - 2018

CS - 31 : MS SQL - Server 2005 Database Administration

Faculty Code : 003

Subject Code : 004602

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1 Attempt the following questions :   **20**

   (1) Which database provide template for your new Database?

   (2) SAN stands for _____

   (3) Which RAID level support only mirroring?

   (4) Which type of index, we can create only one per table in SQL server?

   (5) RAID stands for _____

   (6) Full form of DBCC.

   (7) Full form of OLTP is _____

   (8) Which edition of SQL Server is used for Testing and Development purpose?

   (9) On which column, SQL Server automatically create an Index?

   (10) Specify the extension of Secondary Data File in SQL Server?

   (11) What is log file?

   (12) Give full form of ACID property _____

   (13) The primary data file will always reside in the _____ file group.

   (14) SSIS stands for _____

   (15) A database snapshot is a read-only, static view of SQL server database. [True / False]

   (16) _____ Database is read only and hidden that contains definitions of all of the system objects.

(17) Which Isolation is called a "Dirty Read"?

(18) _____ Index is used to perform search on text Data.

(19) Give full form of MSCS in cluster.

(20) _____ is used to restore damaged file instead of full restore.

2   (A)   Attempt any **three** :   6
    (1)   What is Database?
    (2)   List out different Editions of SQL Server.
    (3)   Explain Transaction Log File?
    (4)   What is Index?
    (5)   What is Stripping?
    (6)   What is Rotational Latency?

   (B)   Attempt any **three** :   9
    (1)   Explain Scale Up vs. Scale Out.
    (2)   Explain duties of Architect DBA & Developer DBA.
    (3)   Explain any three DBCC command.
    (4)   Explain Index Architecture.
    (5)   Write T-SQL command to create Clustered Index on any tabel.
    (6)   What is Database Snapshot? How we can create database snapshot?

   (C)   Attempt any **two** :   10
    (1)   Explain RAID fundamental with different types of RAID.
    (2)   Explain Basic Duties of DBA.
    (3)   Explain different types of indexes.
    (4)   Explain different types of System Database in SQL Server.
    (5)   Explain How to create User database? Also explain T-SQL command for Creating User database in SQL Server.

3 (A) Attempt any **three** :   **6**

      (1) What is Backup?

      (2) What is Restore?

      (3) What is Replication?

      (4) What is Transaction?

      (5) What is SAN?

      (6) What is Page Restore?

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

      (1) Explain ACID properties.

      (2) What is the requirement of database backup?

      (3) Explain Snapshot Isolation.

      (4) Explain bulk-logged recovery model.

      (5) Explain Data Copy Phase, Redo Phase and Undo Phase.

      (6) Write a short note on SQL Server Cluster.

   (C) Attempt any **two** :   **10**

      (1) Explain different types of database backup.

      (2) Explain Isolation Levels in details.

      (3) Explain Page restore with example using T-SQL Command.

      (4) Write a short note on Replication and explain different types of replication.

      (5) Explain Log Shipping and Database Mirroring.

———————