



**NAN-003-004602**    Seat No. \_\_\_\_\_

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

**March / April - 2017**

**CS-31 : MS SQL Server 2005 Database Administration**

**Faculty Code : 003**

**Subject Code : 004602**

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

[Total Marks : 70

- 1    Explain following question in detail : **20**
- (1)    What is full form of DBA ?
  - (2)    What is SQL Server ?
  - (3)    What is Rotational Latency ?
  - (4)    What is the basic function for model database ?
  - (5)    What is full text index ?
  - (6)    What is Dirty Pages ?
  - (7)    How to add new record in SQL Server with T-SQL Statement ?
  - (8)    Write full form of OLTP.
  - (9)    The root node to the leaf node via the \_\_\_\_\_ nodes.
  - (10)    Write full form of RPM.
  - (11)    What is Publisher in SQL Server ?
  - (12)    Write full form of MTBF.
  - (13)    How many physical lock in SQL Server and Which ?

- (14) SQL Server is provided by \_\_\_\_\_ Company.
- (15) What is DML ? List of DML Command.
- (16) Write full form SSMS.
- (17) Write full form of OLAP.
- (18) Write full form SSAS and SSIS.
- (19) The indexed view is sometimes referred to as a \_\_\_\_\_.
- (20) What is the basic function for tempdb database ?

**2 (a) Explain following question in detail : (any **three**) **6****

- (1) Explain production DBA.
- (2) Explain SQL Server Capacity Limits.
- (3) Explain restoring process in detail.
- (4) Explain recovery models.
- (5) What is Log-Shipping in SQL Server ?
- (6) What is a disk drive basic ?

**(b) Explain following question in detail : (any **three**) **9****

- (1) Explain Development DBA.
- (2) Explain Database Snapshot.
- (3) Explain ACID properties with detail.
- (4) Explain Different Read Committed and Read Uncommitted.
- (5) Explain Database structure in detail.
- (6) Explain INDEXED View.

- (c) Explain following question in detail : (any **two**) **10**
- (1) Explain SQL Server editions.
  - (2) What is replication ? Explain types of replication.
  - (3) Explain types of backup.
  - (4) Explain INDEX architecture in SQL Server.
  - (5) Explain types of LOCK.
- 3** (a) Explain following question in detail : (any **three**) **6**
- (1) Explain advantages of transactional log.
  - (2) What is work of MASTER DB in SQL Server ?
  - (3) Explain ETL DBA.
  - (4) Explain SQL Server Licensing.
  - (5) Explain XML Index.
  - (6) Explain advantages of SAN.
- (b) Explain following question in detail : (any **three**) **9**
- (1) What is DBA ? Explain DBA Responsibility in Detail.
  - (2) Explain INDEX Tuning.
  - (3) Explain Database Mirroring.
  - (4) Explain any 3 DBCC Command.
  - (5) Explain how to Requirement of Backup.
  - (6) Describe architect DBA.

(c) Explain following question in detail : (any **two**) **10**

- (1) What is RAID ? Explain RAID Level.
- (2) Explain high availability of server.
- (3) Different between cluster index and non-cluster index.
- (4) What is database ? Explain database files in detail.
- (5) Explain I/O Fundamental.

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