



HAE-003-004602

Seat No. _____

B. Sc. (IT) (Sem. VI) (CBCS) Examination

June / July - 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 Fill in the blanks : 20

- (1) The _____ is used to configure server and client network protocols.
- (2) Server plus _____ Client Access License is required when same user will access SQL Server from different devices.
- (3) The _____ is responsible for the day-to-day operation and maintenance of a production database.
- (4) SSIS stands for _____.
- (5) RAID level _____ do not supports any type of fault tolerance.
- (6) Transaction log file has _____ extension.
- (7) _____ is an optional structure that is designed to help you access table data more quickly and efficiently.
- (8) The _____ is an index where additional column values that are not used in the key values of the index are included in the index.
- (9) In order to restore the structure of the index to an efficient state, the index needs to be _____.
- (10) For Read only databases _____ recovery model is used.
- (11) In _____ system database information about backup is stored.

- (12) _____ is the specified date and time up to which a set of data is restored
- (13) With Restore _____ option will complete the restore procedure and make your database online.
- (14) A transaction is one or more database operations that must be executed in their entirety as one logical unit of work.
- (15) _____ is the default level of isolation in SQL Server.
- (16) When any new database is created, _____ system database is copied.
- (17) _____ backup should be taken before you start the restore procedure.
- (18) _____ lock is applied to eight memory pages.
- (19) _____ backup is independent from sequence of backup.
- (20) _____ is a group of computers which backups each other in case of malfunction.

2 (a) Answer any **three** questions : **6**

- (1) State the Editions of SQL Server 2005. Explain Enterprise Edition.
- (2) What is DBA ? Explain any one OLAP DBA.
- (3) What is DBCC commands ? State types of DBCC Commands.
- (4) What is Striping ?
- (5) What is primary file group ?
- (6) State the name of system databases.

(b) Answer any three questions : **9**

- (1) Explain how to configure Database in SQL Server-2005.
- (2) Explain Client Access License available in SQL Server.

- (3) Explain disk drive characteristics involve in I/O performance.
 - (4) State difference between iSCSI and FC SAN.
 - (5) Explain Clustered Index.
 - (6) Explain Index maintenance Commands.
- (c) Answer any two questions : **10**
- (1) Write short note on installation process of SQL Server 2005.
 - (2) Explain Basic Duties of DBA.
 - (3) Write short note on RAID.
 - (4) Write short note on Snapshot.
 - (5) Explain different methods to create user database.
- 3** (a) Answer any three questions : **6**
- (1) What is the use of Transactional Log backup?
 - (2) What is Automatic Recovery ?
 - (3) What is Restore ? State the basic steps of Restore.
 - (4) What is Disaster Recovery?
 - (5) Explain Database Mirroring.
 - (6) State different levels of Locks.
- (b) Answer any three questions : **9**
- (1) Explain Indexed Views.
 - (2) Explain requirement of Backup.
 - (3) State the difference between partial and differential backup.
 - (4) What is point-in time Restore ?
 - (5) Explain ACID Properties.
 - (6) Explain Failover Clustering in SQL Server.

(c) Answer any two questions :

10

- (1) Explain Index Architecture.
 - (2) Explain Recovery models available in SQL Server.
 - (3) Write the command to restore the data from a full database backup, differential backup, three log backups and a tail log backup.
 - (4) Write short note on Isolation Levels.
 - (5) Write short note on Replication.
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