DA-003-004602

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

April / May – 2015

CS-31 : MS SQL Server 2005 Database Administration

Faculty Code : 003

Subject Code : 004602

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

Instructions : Write answers of all questions (including MCQ) in answer sheet only.

Section I : Contains 20 MCQs.

Each 20 are compulsory. Must write answer code (like A, B, C, D)

SECTION : I

20

1　(1)　_____ is software running free SQL Server technology.

　　(A)　SQL Server Express

　　(B)　SQL Server Workgroup

　　(C)　SQL Server Web

　　(D)　SQL Server Enterprise

　　(2)　_____ is the full form of OLAP.

　　(A)　Online Analytical Processing

　　(B)　Object Level analysical

　　(C)　Object Level Administrative protocols

　　(D)　Server Side Query Language

(3) _____ operator of T-SQL is used to specify a pattern to select one or more records from table or view.

(A) = (B) !=

(C) LIKE (D) in

(4) _____ RAID level requires only one disk for parity data.

(A 0 (B) 2

(C) 3 (D 4

(5) Responsibilities of DBA is

(A) Security (B) Availability

(C) Reliability (D) All of above

(6) Which of the following is not type of DBA?

(A) Production DBA (B) Development DBA

(C) Architect DBA (D) ETH DBA

(7) _____ property say all-or-nothing.

(A) Consistency (B) Automicity

(C) Isolation (D) Durability

(8) _____ locks know as read lock.

(A) Exclusive Lock (B) Shared Lock

(C) Update Lock (D) Read Lock

(9) SQL Server stores index information in the _____ system table.

(A) sys.indexes (B) systemindexes

(C) sysind (D) sysindexes

(10) SQL Server 2005 NOT includes the following system database

(A) tempdb Database (C) Model Database

(B) Master Database (D) sqldb Database

(11) The query used to remove all references for the pubs and newpubs databases from the system tables is..........

(A) DROP DATABASE pubs, newpubs;

(B) DELETE DATABASE pubs, newpubs;

(C) REMOVE DATABASE pubs, newpubs;

(D) DROP DATABASE pubs and newpubs;

(12) _____ is used to remove the fragmentation of index

(A) Monitoring   (B) Disabling the index

(C) Tuning   (D) Rebuilding

(13) _____ Checks the allocation and structural integrity of all the objects in the specified database.

(A) DBCC CHECKDB

(B) DBCC CHECKCATALOG

(C) DBCC CHECKINDEX

(D) None of these

(14) LSN stands for

(A) Log Sequence number

(B) Log Storage Network

(C) Link Serial Number

(D) None of these

(15) money data type in SQL server occupy how many bytes

(A) 4   (B) 2

(C) 8   (D) 10

(16) The extension of secondary data file is

(A) .mdf

(B) .ldf

(C) .ndf

(D) .sdf

(17) In _____ replication any changes made to the articles are captured from the transaction log and propagated to the distributors continuously and automatically.

    (A) Snapshot   (B) Transactional

    (C) Merge   (D) none

(18) Microsoft SQL Server NOT uses which of the following operator category?

    (A) Bitwise Operator   (B) Real Operator

    (C) Logical Operator   (D) Unary Operator

(19) In which type of failure you need backup and restore facility in database?

    (A) Hardware failure   (B) User failure

    (C) Application failure (D) all of above

(20) Only modification/changes made in database are taken for backup its called as.

    (A) full backup   (B) transaction log

    (C) differential   (D) none

SECTION-II

2 (a) Anwer the following : (any three)   **6**

    (1) What is SAN?

    (2) Give the definition : Rotational Latency, seek time.

    (3) What is log file?

    (4) What is Index?

    (5) Define : Restore, Backup, Recovery.

    (6) List out name of system database.

(b) Answer the following : (any three)   9

    (1) Explain Basic duty of DBA.

    (2) Explain ACID-properties in brief.

    (3) Explain concurrency related issues.

    (4) Explain Filegroup structure: primary file, Secondary file and log file.

    (5) Explain production DBA in detail.

    (6) Explain different level of lock

(c) Answer the following : (any two)   10

    (1) What is DBCC? Explain any five DBCC command.

    (2) Explain RAID level.

    (3) Write down three methods for flushing data into disk.

    (4) Explain types of Editions in SQL Server 2005 in detail.

    (5) Explain Recovery model.

3 (a) Answer the following : (any three)   6

    (1) Stripping

    (2) RAID 10

    (3) Explain OLAP DBA.

    (4) Window authentication mode

    (5) What is transaction?

    (6) Create a table using T-SQL.

(b) Answer the following : (any three)   9

    (1) Write down steps for restore database.

    (2) What is full-text index?

    (3) Differentiate between cluster Vs non-cluster index

    (4) B-tree structure

(5) Explain I/0 fundamentals in brief.

(6) Explain copy only backup.

(c) Answer the following : (any two)   **10**

(1) Write down steps to create index file.

(2) What is backup? Explain types of Backup.

(3) Explain Isolation level.

(4) Write short note on Replication.

(5) Explain log shipping and database mirroring.

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