

- (5) In SQL SERVER. Which of the following backup type makes a copy of the changes that have been made to the database since the last complete backup ?
- (A) Complete Backup
 - (B) Transaction Log
 - (C) Differential Backup
 - (D) None
- (6) Which of the following, prevent "Dirty Reads"?
- (A) Read Committed
 - (B) Repeatable Read
 - (C) Read Uncommitted
 - (D) Serializable
- (7) The amount of time, for the desired sector of a disk to rotate under read–write head of the disk is called'?
- (A) Rotation Latency
 - (B) Seek Time
 - (C) Transfer Time
 - (D) None of these
- (8) RAID Stands for _____
- (A) Redundant Array of Independent Disks
 - (B) Redundant Array of Important disks
 - (C) Random Access of Independent Disks
 - (D) Random Access of Important Disks
- (9) Which of the following SQL query is correct for selecting the name of staffs from 'tblstaff table where salary is 15,000 or 25,000?
- (A) SELECT sname from tblstaff WHERE salary IN (15000, 25000),
 - (B) SELECT sname from tblstaff WHERE salary BETWEEN 15000 AND 25000;
 - (C) Both (A) and (B)
 - (D) None of the above

- (10) Which of the following DBCC command is used to see when was the last time the index rebuild?
- (A) DBCC SHOW_STATISTICS
 - (B) DBCC SHOWCONFIG
 - (C) DBCC DBREINDEX
 - (D) None
- (11) _____ method accomplished by placing first piece of data on the first disk, second piece of data on second disk and so on
- (A) Bits
 - (B) Mirroring
 - (C) Stripping
 - (D) None of these
- (12) _____ Fully form of OLAP.
- (A) Object Level-Analytical
 - (B) Object Level Administrative protocols
 - (C) Server side Query Language
 - (D) Online Analytical Processing
- (13) _____ introduce network of storage devices and connected by fiber channel.
- (A) SAN
 - (B) LAN
 - (C) MAN
 - (D) WAN
- (14) Which Edition is used for testing and development Purpose ?
- (A) Standard Edition
 - (B) Enterprise Edition
 - (C) Developer Edition
 - (D) Mobile Edition

- (15) What mode of authentication does SQL Server NOT provide?
- (A) Windows-only security
 - (B) Both SQL Server & Windows-only security
 - (C) Mixed security
 - (D) SQL Server only security
- (16) The strictest transaction isolation level provided by SQL Server is called :
- (A) REPEATABLE READ
 - (B) SERIALIZABLE
 - (C) READ COMMITTED
 - (D) READ UNCOMMITTED
- (17) _____ file stores all the changes or modifications that are made during Transactions.
- (A) Primary File
 - (B) Secondary File
 - (C) Transaction log file
 - (D) none of these
- (18) SQL Server automatically creates an Index on :
- (A) Primary keys
 - (B) Not Null
 - (C) Unique keys
 - (D) Both Primary keys and Unique keys
- (19) SQL SERVER 2005 NOT includes the following System Database.
- (A) tempdb Database
 - (B) Model Database
 - (C) Master Database
 - (D) SQLDB Database

(20) In which phase, the recovery process opens the transaction log to identify uncommitted transaction and those uncommitted transaction are rolled back?

- (A) Data copy Phase
- (B) Redo Phase
- (C) Undo Phase
- (D) None of above

2 (a) Attempt the following : (any three) 10

- (1) Explain master, model and tempdb System Databases.
- (2) Differentiate: OLTP and OLAP System
- (3) List out the Editions of SQL SERVER. Explain any two of them.
- (4) Discuss Exclusive Lock with suitable example.
- (5) Give the Definitions: Rotational Latency. Average Seek Time and Transfer time.
- (6) Explain DBCC DBREINDEX and DBCC. CHECKDB.

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

- (1) What is File Group? Explain the use of Primary file and Log file.
- (2) What is Transaction ? Explain ACID Properties of Transaction.
- (3) What is Backup ? Explain Differential Backup with an appropriate figure.
- (4) Explain Row level lock. File level lock and Page level lock.
- (5) What is Full-text Search Index in SQL SERVER?
- (6) What is Database Snapshot ? How to create a Database Snapshot?

- (c) Attempt the following : (any **two**) **10**
- (1) Explain Index Architecture in detail.
 - (2) Explain SAN with an appropriate figure.
 - (3) Explain RAID 1 and RAID 5 with suitable example.
 - (4) Explain Four Basic types of Isolation Levels in SQL SERVER.
 - (5) Explain Database Mirroring with appropriate figure.
- 3** (a) Attempt the following : (any **three**) **6**
- (1) Windows Authentication Mode.
 - (2) Discuss Dirty Reads and Non Repeatable Read Problem.
 - (3) Explain the Duties of Architect DBA and Developer DBA.
 - (4) List out the Features of SQL SERVER 2005.
 - (5) Explain the commands through which user can handle the Transactions manually.
 - (6) List out the Data Types which are supported by SQL SERVER 2005.
- (b) Attempt the following : (any **three**) **9**
- (1) Explain Indexed View.
 - (2) How to create a Database in SQL SERVER ?
 - (3) Differentiate : Clustered Index and Non Clustered Index.
 - (4) Explain Snapshot New Isolation Level.
 - (5) Write a Short note on Log Shipping.
 - (6) Explain Simple Recovery Model.

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

- (1) What is Replication? Explain all three types of Replications..
 - (2) Explain Fall Over Clustering in detail.
 - (3) What is Restore? Explain Restore Phases.
 - (4) Write down the steps of Installation of SQL SERVER 2005.
 - (5) What is Recovery? Explain Full and Bulk logging Recovery model.
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