**NoSQL databases are designed to expand \_.**

Horizontally

#### Horizontal scaling approach tends to be cheaper as the number of operations and the size of the data increases.

True

#### Full-form of 'CRUD' is \_.

Create-Read-Update-Delete

#### Limitations of RDBMS are .

#### Scalability/Database design complexity

#### distributes different data across multiple servers.

Sharding

#### A Key-value store does not support Secondary Indexes

False

#### Key-value pair data storages include all except

Network Attached Storage

#### Cassandra has properties of both ****and**** \_\_ .

Google Bigtable / Amazon Dynamo

#### A Riak convergent replicated data type (CRDT) includes .

Maps/Sets/Counters

#### The RDBMS 'table' equivalent terminology in Riak is

bucket

#### Cassandra allows to define composite Primary Keys.

True

#### In Cassandra, the \_\_\_ determines how many copies of the data will be maintained across multiple nodes.

Replication factor

#### In a column-database a row is being uniquely identified by \_\_.

Row-key

#### In column-oriented stores, data is stored on a basis.

Column Family

#### The column store has to perform ****\_**** IO to insert a new value.

as many disk blocks

#### A column-database used to store \_\_ versions of each cells.

Latest / Multiple

#### In a columnar database, the columns are stored together on disk, achieving a higher compression ratio is an expensive operation.

False

#### Columnar databases are preferable for OLTP systems.

False

#### In Hbase, 'Columns' are named and specified in table definition.

False

#### The row store needs to perform ****\_**** IO to insert a new value.

Single

#### Hbase main server components include all except \_.

Hbase Memstore

#### Pre-join projection is equivalent to as in traditional relational systems.

Materialized view

#### HBase Tables are divided \_ by row key range into .

horizontally, HDFS Files / horizontally, region servers

#### The MATCH clause is roughly equivalent to the clause in SQL and the RETURN clause to a \_ clause.

Where, Select

#### An RDBMS equivalent component for a "document identifier" in a Document database:

Foreign Key

#### An RDBMS equivalent component for a "collection" in a Document database:

Table

#### In MongoDB, there is a similar feature of 'like' expression as like RDBMS.

False

#### Document databases split a document into its constituent name/value pairs for indexing purpose.

False

#### JSON documents are built up of \_

All the options

#### \_\_\_\_\_\_ is a syntax for retrieving specific elements from an XML document.

Xpath

#### An RDBMS equivalent component for a "document" in a Document database:

Row

#### MongoDB read/write performance can be tuned with the help of Stored Procedures

False

#### The major components of a Graph include all except \_.

JSON

#### Graph databases are generally built for use with .

#### OLTP

#### Cypher query language is associated with \_\_

Neo4j

#### Only Nodes have properties in Graph database.

False

#### Neo4j architecture is a self-driven and independent architecture because of \_\_.

Both the options

#### Transactional integrity is relevant in case of batch-centric Hadoop-based analytics on warehoused data.

#### True

#### Read overhead in a Columnar database can be partly reduced by Multicolumn projection and \_.

Sorted Column

**Wiredtiger storage engine is a part of \_\_\_.**

MongoDB

#### Sorted Column store would provide higher compression ratio by representing each column as compared to the preceding one.

Delta

**In case of a Strict consistency, a read will always return the most recent data value.**

False

**The equivalent Hbase structure of an in-memory tree in Log-structured Merge Trees is \_\_.**

MemStore

**Cassandra's Gossip Protocol can take care of the heartbeat lost due to \_ in a widely distributed system.**

Both node failure and network issue

**Riak demonstrates dual nature of \_.**

Key/value Store and Document Database

#### Like most relational databases, Kudu also offers secondary indexes and uniqueness constraints.

False

**In case of an Eventual consistency, reads may not return the most recent value, but reads will not return values “out of sequence.”**

False

**Cassandra lightweight transactions (LWT) supports pattern.**

Check-and-set

**Kudu can be accessed via all except \_.**

Apache Hive