8. Embedding structure in Mongodb is the same as an index in RDBMS
^O True
C False
9. Resource pooling is the process where:
a. The provider's computing resources are pooled to serve multiple consumers using a multi-tenant model.
b. Different physical and virtual resources dynamically assigned and reassigned according to consumer demand.
□ c. Heterogeneous access is performed
d. A deployment model is performed
10. Hadoop execution layer monitors the execution of each task
O True
False
11. HDFS includes many name nodes and one data-node
^O True
C False
12. NoSql databases scale horizontally only
^O True
C False
13.Wide-column stores store data in tables, rows, and dynamic columns
○ True
False
14.Partition Tolerance in CAP theorem is defined as the system continues to operate in the
presence of network failure
True
C False
15.\$merge is the same as:
a. An index
b. An aggregate pipeline
C. \$sort
On-demand materialized view

16.	Commodity hardware does not ever fail
0	True
0	False
	If a task fails:
	a. Job tracker detects the failure
	b. Map or reduce sends a message to the job tracker
	c. Job tracker reschedules the task
	d. Name node replicates the user data
<u>18.</u>	Fault Tolerance refers to:
	a. Software as a service
0	b. The way in which an operating system (OS) responds to a hardware or software
	lure
	c. Pay-as-you-go model
0	d. Everything as a service
	Every task in Hadoop is a map only
0	True
0	False
	Problems with data sharding in Mongodb include:
	a. Determining the architecture of a data routing layer
	b. Determining the architecture of the partition mapping
	c. Deciding the workload of the application
	d. Using them on the level of data replicas
<u>21.</u>	Network security and bandwidth are two main advantages of horizontal scaling
0	True
0	False
<u>22.</u>	Vertical scalability involves:
	a. Massively parallel architectures
	b. Large main memories
	c. Commodity machines
	d. Synchronization

23.Queries in NoSQL databases typically do not require joins, so the queries are very
slow
© True
© False
24.when you use MongoDB is data that is accessed together should be stored together
True
False
25.One can provide Healthcare as a service as long it defines a specific deployment model
of the cloud
True
C False
26.In sharded cluster, if you do <i>not</i> use the _id as the shard key, then your application must ensure
a. The uniqueness of the values in the _id field to prevent errors
b. The uniqueness of the values
c. The uniqueness of the values in the _id field to prevent joins
O d. Allow joins
27. The volatility of the data is defined as:
a. How the data is stored
b. How often does the data change
© c. How can we do data replicas
O d. Data sharding
28.In Mongodb, all writes are atomic only on the level of a single document
O True
C False
29. Cloud Computing trend requires:
a. Dynamic resource management
b. Frequent update operations
□ c. Flexible database schema
d. Data models to be in the relational model only

30.The CAP theorem proves that it is a. Impossible to guarantee strict Consistency and Availability while being able to tolerate network programming
b. Impossible to guarantee strict Consistency and Availability while being able to
tolerate network partitions
c. Impossible to guarantee strict Consistency
d. Impossible to guarantee strict Availability
31.Partial failure handling is one of the main problems that arise with horizontal scaling
^O True
© False
32.The Hadoop stack MUST have the following components:
a. A storage (DFS) and a computation (MapReduce)
© b. A Mapreduce and EDW
C. A storage (HDFS) and a computation (MapReduce)
Od. A report and a Dashboard
33.The data model you choose depends on
a. Indexes you use
© b. Data partitioning
C. The application and workload
d. The workload only
34.We prefer referencing data model in Mongodb for:
a. Integrity on one-to-many relations
b. Integrity on one-to-one relations
C. Data that is deleted
d. Integrity on many-to-many relations
35.Consistency in ACID theory is defined as each transaction subject consists of a set of rules
^C True
© False

<u>36.</u>	Hadoop data model deals with the following:
0	a. A lock-in vendor
0	b. Flexible schema
0	c. Static schema
0	d. Distributed database
27	
<u>3/.</u>	Viability is defined as:
0	Viability is defined as: a. Data security
<u>37.</u>	
0	a. Data security