The \_\_\_\_\_\_\_\_\_\_\_\_ use of the P2P system resources (bandwidth, computing power, storage) should result in lower cost, and, thus, higher throughput of queries, i.e., a higher number of queries can be processed by the P2P system in a given time interval.



a.

efficient



b.

None of all

autonomous



d.

query language

**Feedback**

The correct answer is: efficient

**Question 2**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

The potential advantages of using a blockchain-based cryptocurrency are the following:

a.

All of given



b.

Fewer risks for merchants



c.

Trust through the blockchain, without any central authority



d.

Security and control



e.

Low transaction

**Feedback**

The correct answer is: All of given

**Question 3**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Blockchain was invented for bitcoin to solve the double spending problem of previous digital currencies without the need of a trusted, central authority.

Select one:

T

F

**Feedback**

The correct answer is 'True'.

**Question 4**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

To increase data availability and access performance, P2P systems replicate data.

Select one:

T  
F

**Feedback**

The correct answer is 'True'.

**Question 5**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

OceanStore is a data management system designed to provide continuous access to persistent information.

Select one:

T  
F

**Feedback**

The correct answer is 'True'.

**Question 6**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Top-k queries have been used in many domains such as:

a.

All of given



b.

information retrieval



c.

multimedia databases



d.

network and system monitoring

**Feedback**

The correct answer is: All of given

**Question 7**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

A parallel computer, or multiprocessor, is a form of distributed system made of a number of nodes (processors, memories, and disks) connected by a very fast network within one or more cabinets in the same room.

Select one:

T  
F

**Feedback**

The correct answer is 'True'.

**Question 8**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Linear scale-up means sustained performance for a linear increase of database size and load.

Select one:

T  
F

**Feedback**

The correct answer is 'True'.

**Question 9**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Shared-nothing clusters are widely used in practice, typically using NUMA nodes, because they can provide the best cost/performance ratio and scale up to very large configurations (thousands of nodes).

Select one:

T  
F

**Feedback**

The correct answer is 'True'.

**Question 10**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

NoSQL DBMSs and big data systems typically use shared nothing.

Select one:

T  
F

**Feedback**

The correct answer is 'True'.

**Question 11**

Complete

Mark 0.00 out of 0.50

Flag question

**Question text**

Intra-operation means:

a.

None of all

b.

Different queries on the same data

c.

Different operations of the same query on different data

d.

The same operation on different data

**Feedback**

The correct answer is: The same operation on different data

**Question 12**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Logical data integration and the resulting systems are known by a variety of names; data integration and information integration.

Select one:

T  
F

**Feedback**

The correct answer is 'True'.

**Question 13**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

*Binary approaches are a special case of iterative n-ary.*

Select one:

TF

**Feedback**

The correct answer is 'True'.

**Question 14**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Neo4J – architecture provides extensive support for high availability through full replication both at the cluster level and across data centers

 processes OLAP workloads over operational data, so that analytical queries are answered over real‑time data a flexible schema by specifying vertex and edge types with their properties

**Feedback**

The correct answer is:

Neo4J – architecture [provides extensive support for high availability through full replication both at the cluster level and across data centers]

**Question 15**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

NoSQL means Not only Structured Query Language 

combining the advantages of loosely coupled systems and tightly coupled systems  allowing the system to perform OLAP and OLTP on the same data

**Feedback**

The correct answer is:

NoSQL means [Not only Structured Query Language ]

**Question 16**

Not answered

Marked out of 0.50

Flag question

**Question text**

What is and represents Metasearching?

Metaseaching is an aprouch that uses your search query on multiple databases to give you more relavaten information. Some examples are Flights.com this website uses metaseaching so it can get all the data like available flights from multiple websites like wizz air or ryan air and combines those results to give you more convient search result

**Question 17**

Complete

Mark 0.20 out of 0.50

Flag question

**Question text**

State several reasons that have motivated the need for NoSQL systems

noSQL databases can work fast, store lots of data and be cheap to operate. They can store difrent kind of data without needing to have a fix structure, they can grow bigger buy just adding more computer. Another benefit is that they are fast because they don’t need complex operation, they just need simple data structers. They can run on cheap hardware

**Question 18**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Which are the main categories of NoSQL systems?



a.

wide column



b.

graph



c.

key-value

d.

all of the above



e.

document

**Feedback**

The correct answer is:

all of the above

**Question 19**

Complete

Mark 0.00 out of 0.50

Flag question

**Question text**

In every search engine the\_\_\_\_\_\_\_\_\_\_\_ plays one of the most crucial roles.a.

both



b.

crawlers



c.

metrics

**Feedback**

The correct answer is:

crawlers

**Question 20**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

Graph databases represent and store data directly as graphs which allows easy expression and fast processing of graph-like queries.

Select one:

TF

**Feedback**

The correct answer is 'True'.

**Question 21**

Complete

Mark 0.00 out of 0.50

Flag question

**Question text**

RDF is the data model on top of HTML and forms a fundamental building block of the semantic web

Select one:

TF

**Feedback**

The correct answer is 'False'.

**Question 22**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

The web consists of “pages” that are connected by hyperlinks, and this structure can be modeled as a directed graph that reflects the hyperlink structure

Select one:

TF

**Feedback**

The correct answer is 'True'.

**Question 23**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

 [[3]] have been a major focus of database technology.



a.

none



b.

declarative querying



c.

efficient execution of queries



d.

both

**Feedback**

The correct answer is:

both

**Question 24**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

The issues related to consistency of a replicated database are:



a.

Both of given



b.

None of all



c.

mutual consistency

d.

transaction consistency

**Feedback**

The correct answer is: Both of given

**Question 25**

Complete

Mark 0.50 out of 0.50

Flag question

**Question text**

In Single Master with Limited Transparency, the update transactions are submitted and executed directly at the master site (as in the eager single master); once the update transaction commits, the refresh transaction is sent to the slaves. 1. an update transaction is first applied to the master replica 2. the refresh transaction is sent to the slaves 3. the transaction is committed at the master, and then; The sequence of execution steps is as follows:



a.

1, 2, 3



b.

1, 3, 2



c.

3, 1, 2



d.

2, 1, 3

**Feedback**

The correct answer is: 1, 3, 2