

ADBMS Quiz IV_MTech



Your email will be recorded when you submit this form

*** Required**

Name *

Your answer

Admission No. *

Your answer

Chose the correct statement. To take over control backup site *

2 points

- ☐ all the log records it has received from the primary.
- ☐ None
- ☐ All are correct
- ☒ performs recovery using its copy of the database.



The merit of loading the entire database back into main memory before resuming transaction * 2 points

- ☒ transactions which need high-speed or realtime data access the guarantee that once they start they will not have to wait for disk accesses.
- ☐ However no transaction can run till the entire database
- ☐ All are correct.
- ☐ None of the options

The advantage of Loading data as it is requested by transactions * 2 points

- ☐ Transaction may see small and unpredictable delay.
- ☒ Transaction processing can start rightaway.
- ☐ None of the options
- ☐ Transaction may see long and unpredictable delay
- ☐ All are correct

Chose the correct statement about high performance system. * 2 points

- ☐ A high-performance system is not necessarily a real-time system.
- ☐ All are correct
- ☒ In a high performance system, the main aim is to execute each transaction as quickly as possible, by having more resources and better utilization.
- ☐ None
- ☐ A high-performance system is a real-time system.



Which option(s) are true about real time system *

2 points



Each transaction has a deadline, and taking care that it finishes within the the deadline is the most important thing.



All are correct



None



In a real-time system, speed is not the central issue.

The serializability requirement is impractical for long duration transaction because *

2 points



None



All are correct



With a waiting scheme for concurrency control, long-duration transactions will force long waiting times. This means that response time



With a time-stamp based scheme, a lot of work done by a long running transaction will be wasted if it has to abort.

Mainly three types of remote backup system exists-One-safe, Two-very-safe and Two-safe. Chose the correct option related to three backup systems. *

2 points



Two-safe provides better availability than two-very-safe



None



All are correct



Two-very-safe provides better availability than two safe



One-safe avoids problem of lost transactions.



Memory requirements are high in *

2 points

- ☐ Process per client model
- ☐ Many-server single-router model
- ☒ Many-server many-router model
- ☐ Single process model

Multithreading is associated with which of the following architecture *

2 points

- ☐ Many-server many-router model
- ☒ Many-server single-router model –
- ☐ Single process model
- ☐ Process per client model

Chose the correct option(s) *

2 points

- ☐ NoSQL stands for native SQL
- ☒ NoSQL databases does not prohibits the use of sql.
- ☐ All are correct
- ☐ SQL server is a not a NoSQL database.
- ☐ None



Chose the correct option(s) *

2 points

- ☐ High availability is the core principle of NoSQL
- ☒ A NoSQL database can manage information using column based or graph based
- ☐ Document represents column in NoSQL.
- ☐ All are correct
- ☐ None

Replicating data across servers helps in increasing_____ *

2 points

- ☐ performance bottlenecks
- ☒ scalability
- ☐ All are correct
- ☐ None
- ☐ availability
- ☐ single point of failures

Chose the correct statement(s) *

2 points

- ☒ Some NoSQL systems provide concepts such as write-ahead logging to avoid data loss
- ☐ Long running multi-row transaction works well in RDBMS.
- ☐ All are correct
- ☐ The functionality that works well in RDBMSs fully featured indexes and secondary indexes.
- ☐ None

Submit

Clear form

 Never submit passwords through Google Forms.

Google Forms

