

# **Sybase Certification Interview Questions And Answers Guide.**



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# Sybase Certification Job Interview Preparation Guide.

## Question # 1

Suppose All of the following tactics may reduce contention for cache spinlocks in an ASE configured to support multiple online engines, except

- A. Increasing the spinlock ratio
- B. Creating additional named caches and binding frequently used tables to them
- C. Creating partitions in heavily used caches
- D. Returning to a single engine configuration

**Answer:-**

- A. Increasing the spinlock ratio

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## Question # 2

Do you know What is the purpose of dsync flag?

- A. to synchronize primary and mirrored devices
- B. to synchronize primary and secondary databases
- C. to control whether writes to operating system files are buffered or not
- D. to control Backup Servers access to a dump device

**Answer:-**

- C. to control whether writes to operating system files are buffered or not

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## Question # 3

Explain Which of the following are true of the Datarows Locking Scheme? (Choose 2)

- A. Index pages are locked.
- B. No transaction locks are held on index pages.
- C. Server uses page locks and row locks, but not table locks.
- D. Server uses table locks and row locks, but not page locks.

**Answer:-**

- B. No transaction locks are held on index pages.
- D. Server uses table locks and row locks, but not page locks.

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## Question # 4

Explain Which ASE commands or utilities can be used to examine partition skew? (Choose 2)

- A. sp\_helppdb
- B. sp\_helppartition
- C. sp\_help
- D. optdiag
- E. reorg

**Answer:-**

- B. sp\_helppartition
- C. sp\_help

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## Question # 5

Explain Which of the following create table can prevent or minimize row forwarding in DOL tables?

- A. fillfactor



- B. max\_rows\_per\_page
- C. exp\_row\_size
- D. reservepagegap

**Answer:-**

- C. exp\_row\_size

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### Question # 6

If sp\_sysmon output consistently shows a high number of Voluntary Yields, which configuration parameter could be modified to improve performance?

- A. user log cache size
- B. time slice
- C. identity grab size
- D. stack size
- E. cpu accounting flush interval

**Answer:-**

- B. time slice

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### Question # 7

Suppose The titles table has 50,000 rows and a nonclustered index on the price column. Which of the following queries use less logical I/Os?

- A. select "Min" = min(price), "Max" = max(price) from titles
- B. select "Min" = (select min(price) from titles), "Max" = (select max(price) from titles)
- C. They will both use the same number of I/Os

**Answer:-**

- B. select "Min" = (select min(price) from titles), "Max" = (select max(price) from titles)

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### Question # 8

Explain Which of the following steps is NOT always necessary for performing a tuning benchmark?

- A. record a baseline measurement
- B. change one variable, holding all others constant
- C. make a new measurement
- D. restart Adaptive Server

**Answer:-**

- D. restart Adaptive Server

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### Question # 9

Explain Which of the following operations require "quiesce database"?

- A. altering the database to a new size
- B. performing non-Sybase unmirroring and backup operations.
- C. truncating the transaction log
- D. dumping the database using Sybase Backup Server.

**Answer:-**

- B. performing non-Sybase unmirroring and backup operations.

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### Question # 10

Explain Which of the following can NOT have an assigned execution class

- A. database
- B. A stored procedure
- C. An application
- D. A login

**Answer:-**

- A. database

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### Question # 11

Which of the following can NOT have an assigned execution class

- A. database
- B. A stored procedure
- C. An application
- D. A login

**Answer:-**

- A. database



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### Question # 12

Explain What is the purpose of dsync flag?

- A. to synchronize primary and mirrored devices
- B. to synchronize primary and secondary databases
- C. to control whether writes to operating system files are buffered or not
- D. to control Backup Servers access to a dump device

**Answer:-**

- C. to control whether writes to operating system files are buffered or not

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### Question # 13

Explain What is the maximum number of tables allowed in a join query?

- A. 50 User tables and 14 work tables
- B. 32 User tables and 14 work tables
- C. 30 User tables and 12 work tables
- D. 16 User tables and 12 work tables

**Answer:-**

- A. 50 User tables and 14 work tables

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### Question # 14

Do you know What type of access method is used for a covered query?

- A. parallel index scan
- B. serial index scan
- C. hash based index scan
- D. hash based table scan

**Answer:-**

- B. serial index scan

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### Question # 15

Explain Which of the following statements describes readpast locking? (Choose 2)

- A. It can be specified at the session, transaction, and table level.
- B. It allows insert, update, and delete commands to read past any incompatible lock.
- C. It allows readers to not block writers.
- D. It allows select and readtext queries to silently skip all rows or pages locked with incompatible locks.

**Answer:-**

- B. It allows insert, update, and delete commands to read past any incompatible lock.
- D. It allows select and readtext queries to silently skip all rows or pages locked with incompatible locks.

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### Question # 16

Explain When you run optdiag command on a allpages-locked table with 1000 pages, what will be value of "Forwarded row count"?

- A. 1000
- B. 500
- C. 0
- D. 1

**Answer:-**

- C. 0

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### Question # 17

Explain Where are table/index level statistics stored?

- A. sysstatistics
- B. systabstats
- C. On the leaf level of the index
- D. The GAM page
- E. The distribution page

**Answer:-**

- B. systabstats

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### Question # 18

Explain The reorg command may be used to: (Choose 2)



- A. Compact a table that uses datarows locking.
- B. Reclaim unused space in a table that uses allpages locking.
- C. Reclaim unused space in an index that uses datapages locking.
- D. Rebuild a table that uses allpages locking.

**Answer:-**

- A. Compact a table that uses datarows locking.
- C. Reclaim unused space in an index that uses datapages locking.

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**Question # 19**

Explain Which of the following cache or IO tuning methods can reduce the spinlock contention on a single "hot" table that is already bound to a named cache?

- A. Create 16K buffer pool in the named cache
- B. Change the cache replacement strategy of the named cache to relaxed LRU
- C. Partition the named cache
- D. Increase the named cache size

**Answer:-**

- C. Partition the named cache

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**Question # 20**

How to reclaim space from a fragmented allpages heap table?

- A. run reorg command
- B. dump and load the database
- C. create and drop a clustered index
- D. truncate the least used pages

**Answer:-**

- C. create and drop a clustered index

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**Question # 21**

Do you know Transaction Isolation Level 2 is directly supported in the following lock scheme(s):

- A. Allpages
- B. Allpages, Datapages
- C. Allpages, Datapages, Datarows
- D. Datapages, Datarows

**Answer:-**

- D. Datapages, Datarows

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**Question # 22**

Suppose A query and any views in a query can reference how many user tables?

- A. 12
- B. 16
- C. 32
- D. 50
- E. 192

**Answer:-**

- D. 50

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**Question # 23**

Where are table/index level statistics stored?

- A. sysstatistics
- B. systabstats
- C. On the leaf level of the index
- D. The GAM page
- E. The distribution page

**Answer:-**

- B. systabstats

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**Question # 24**

Suppose Given FREDs login is assigned EC2. When he uses a stored procedure bound to EC3 his scheduling priority is:

- A. high
- B. medium
- C. low



D. unable to be determined

**Answer:-**

B. medium

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### Question # 25

Explain What are some ways to reduce last data page lock contention for inserts?

(Choose 3)

- A. alter the table to use the Datarows locking scheme
- B. alter the table to use the Datapages locking scheme
- C. partition the table
- D. create a clustered index on a random key
- E. increase the server configuration for the number of locks
- F. increase the server configuration for the deadlock checking period

**Answer:-**

- A. alter the table to use the Datarows locking scheme
- C. partition the table
- D. create a clustered index on a random key

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### Question # 26

Can you explain What is the maximum row size for DOL tables?

- A. 1024 bytes of data.
- B. 1958 bytes of data.
- C. 1962 bytes of data.
- D. 2000 bytes of data.

**Answer:-**

B. 1958 bytes of data.

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### Question # 27

Can you explain Which two are advantages of use max\_rows\_per\_page to reduce the row density? (Choose 2.)

- A. It may decrease the disk space used.
- B. It may decrease the contention.
- C. It may decrease the number of page splits.
- D. It may decrease the number of page I/Os.
- E. It may help to decrease row movement of frequently updated varchar columns.

**Answer:-**

- B. It may decrease the contention.
- E. It may help to decrease row movement of frequently updated varchar columns.

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### Question # 28

Which of the following operations require "quiesce database"?

- A. altering the database to a new size
- B. performing non-Sybase unmirroring and backup operations.
- C. truncating the transaction log
- D. dumping the database using Sybase Backup Server.

**Answer:-**

B. performing non-Sybase unmirroring and backup operations.

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### Question # 29

Explain When does the optimizer consider a hash based table scan on an APL table?

- A. if it is a heap table
- B. if it has a clustered index
- C. If it is a table with a clustered index and a non clustered index
- D. If it is a partitioned table with a clustered index

**Answer:-**

A. if it is a heap table

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### Question # 30

Do you know The reorg command may be used to: (Choose 2)

- A. Compact a table that uses datarows locking.
- B. Reclaim unused space in a table that uses allpages locking.
- C. Reclaim unused space in an index that uses datapages locking.
- D. Rebuild a table that uses allpages locking.



**Answer:-**

- A. Compact a table that uses datarows locking.
- C. Reclaim unused space in an index that uses datapages locking.

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**Question # 31**

Parallel sorting can be used for: (Choose 3)

- A. Sort Merge joins
- B. slow bcp
- C. Reformatting
- D. Creating indexes
- E. reorg compact

**Answer:-**

- A. Sort Merge joins
- C. Reformatting
- D. Creating indexes

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**Question # 32**

Do you know What is the maximum number of key columns allowed in an index?

- A. 16
- B. 31
- C. 32
- D. 63

**Answer:-**

- B. 31

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