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## **Q&A**

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**Exam** : **510-701**

**Title** : Sybase IQ Administrator  
12.6 Professional Exam

**Version** : DEMO

1. Which index(es) should you create on a DATE datatype column with 3000 unique values for users to search on both an exact date as well as a range of dates?

- A. HG
- B. DATE
- C. DATE and HNG
- D. HG and DATE

**Answer: D**

2. Which index type supports multiple columns?

- A. LF
- B. HG
- C. FP
- D. HNG

**Answer: B**

3. What index is created automatically on a column with a foreign key constraint?

- A. LF
- B. HG
- C. Unique HG
- D. JOIN

**Answer: B**

4. When you perform Alter Table abc Drop Primary Key, what happens?

- A. The HG index on the Primary Key column(s) is/are dropped.
- B. The Unique HG index on the Primary Key column(s) is/are dropped.
- C. The column(s) for the Primary Key are dropped from the table.
- D. You receive an error since you must use the Drop Index Command.

**Answer: B**

5. What index types are supported for CHAR columns over 255 bytes? (Choose 2)

- A. FP
- B. LF
- C. HG
- D. HNG
- E. WD

**Answer: AE**

6. A load into a column with a LF index fails when

- A. 1,500 unique values are reached.
- B. 500 unique values are reached.
- C. 10,000 unique values are reached.
- D. 65,537 unique values are reached.

**Answer: C**

7. A global temporary table (Choose 2)

- A. must be explicitly dropped.
- B. exists until the connection or the compound statement in which it is declared ends.
- C. writes data to the IQ Catalog Store.
- D. uses one table definition but maintains a separate instance of the data per user.

**Answer: AD**

8. Given the command: create table t1 (col1 char(10) IQ UNIQUE(70000)) What index will be built for col1 when initially loading the table?

- A. 1-byte FP
- B. 2-byte FP
- C. Flat FP
- D. HG

**Answer: C**

9. Which indexes provide the optimizer with both column cardinality AND distribution of values for each

distinct value? (Choose 2)

- A. LF
- B. HNG
- C. HG
- D. Optimized 1 and 2 byte FP

**Answer: AC**

10. Which of the following is the recommended limit of unique values that a column may contain and still be considered low-cardinality data by Sybase IQ?

- A. 256
- B. 1500
- C. 16000
- D. 65536

**Answer: B**

11. Which of the following best describes the utility\_db database?

- A. It is an ascii text file that contains informational messages.
- B. It is an empty database used to create and restore databases.
- C. It contains all the metadata needed to manage an IQ database.
- D. It is the application database that contains all of your tables and indexes.

**Answer: B**

12. What is TRUE about Sybase IQ? (Choose 3)

- A. Sybase IQ is an online transaction-processing engine.
- B. Sybase IQ supports a Decision Support System.
- C. Sybase IQ supports a Distributed Data Mart.
- D. Sybase IQ is a server for applications that require real-time updates.
- E. Sybase IQ supports a Data Warehouse.

**Answer: BCE**

13. Which of the following does the IQ Store contain? (Choose 2)

- A. IQ data
- B. Table definitions, system tables, and stored procedures
- C. Error, status, and insert notification messages for the IQ server
- D. Transaction Log

**Answer: AD**

14. What will be the approximate size of a full database backup?

- A. The size of the catalog database
- B. The size of the catalog database plus the size of all dbspaces
- C. The size of the catalog database plus the size of all IQ Store dbspaces
- D. The size of the catalog database plus the size of IQ blocks used in the IQ Store dbspaces

**Answer: D**

15. What is TRUE about an INCREMENTAL backup?

- A. It is a full backup of Catalog Store and IQ Store.
- B. It is a full backup of Catalog Store and backs up changes to the IQ Store since the last IQ backup of any type.
- C. It is a full backup of Catalog Store and backs up changes to the IQ Store since the last full IQ backup.
- D. It is the default type of backup available for Sybase IQ.

**Answer: B**

16. Select the requirements for a full database restore. (Choose 3)

- A. Database Administrator (DBA) Authority
- B. Exclusive access to the database
- C. Catalog Store exists
- D. Transaction Log exists
- E. Connection to the utility\_db database

**Answer: ABE**

17. Identify the effects of setting MINIMIZE\_STORAGE to ON. (Choose 3)

- A. It sets the value of IQ UNIQUE(255) globally for all new tables.
- B. It overrides the IQ UNIQUE clause in CREATE TABLE.
- C. It improves query performance.
- D. It optimizes storage for new columns.
- E. It improves data load times.

**Answer:** ACD

18. What is TRUE about the DISK\_STRIPING option? (Choose 2)

- A. The default for DISK\_STRIPING is ON.
- B. Data to be written to each dbspace in a round-robin fashion.
- C. Will make it easier to drop dbspaces later.
- D. This option is dynamic and will not require a restart of the IQ Server.

**Answer:** AB

19. What is NOT the purpose of sp\_iqrebuildindex?

- A. To reclaim space in the IQ Store
- B. To rebuild non-default indexes
- C. To relocate data to new dbspaces
- D. To rebuild default indexes into 1 or 2 byte FP

**Answer:** C

20. How do you monitor the activity in the IQ Memory buffer caches?

- A. You sp\_iqtransaction.
- B. You use sp\_iqstatus.
- C. You use IQ Utilities.
- D. You use operating system utilities.

**Answer:** C