**SQL DBA interview questions HCL**

1. What is SQL Server Architecture?
2. What is page?
3. What is extent?

4.     What are the different types of extents?

**Ans:** Uniform extents: consists pages from same object, mixed mode extents: consists from different objects

1. What is the difference between those two extents?
2. Which pages are available in extents?
3. What is fill factor?

8.     How to take backup of DB when the db is in Log shipping by taking that backup without changing LSN?

**Ans:** By taking copy only backups

9.     How to change port number for sql server?

**Ans:** To assign a TCP/IP port number to the SQL Server Database Engine  
In SQL Server Configuration Manager, in the console pane, expand SQL Server 2005 Network Configuration, expand Protocols for, and then double-click TCP/IP.

In the TCP/IP Properties dialog box, on the IP Addresses tab, several IP addresses appear, in the format IP1, IP2, up to IPAll. One of these are for the IP address of the loopback adapter, 127.0.0.1. Additional IP addresses appear for each IP Address on the computer. Right-click each address, and then click Properties to identify the IP address that you wish to configure.

10.  Is it possible to change port for mirroring after configuring mirroring?

**Ans:** Yes it is possible, by using above mechanism

11.  What is the major difference between Merge replication and Transactional replication?

**Ans:** In Merge replication the both publisher and subscriber can work independently

12.  How to resolve conflicts in merge replication?

13.  What is quorum in clustering?

14.  What happened when quorum gone?

15.  Is it possible to start service when quorum is gone?

**Ans:** -No quorum

16.  How to take backup of 400GB DB with in less time?

**Ans:** Generally 1 GB take 1 min, If we use stripped backups we can reduce time, If we have 4 processors and 4 drives.

17.  How to find what are the driver’s available in our machine?

Ans: **EXEC master.sys.xp\_fixeddrives**

18.  What is check point?

**Ans**:Check point is raised when we take backup of database or restarting sql server service

19.  Is it posible to raise chaeckpoint our self?

**Ans:**Yes

sp\_configure 'recovery interval', 32767

go

reconfigure with override

20.  What is the difference between procedure and function?

21.  How to call procedure?

22.  What is the advantage of recompile statement in procedure?

**Ans:** I have noticed that after inserting many rows in one table many times the stored procedure on that table executes slower or degrades. This happens quite often after BCP or DTS. I prefer to recompile all the stored procedure on the table, which has faced mass insert or update. sp\_recompiles marks stored procedures to recompile when they execute next time.

23.  How to know the current connected connections?

24.  How to set maximum connections?

Ans: SP\_Configure

25.  How to start sql service without raising checkpoint?

SHUTDOWN WITH NOWAIT

26.  Have you work on cmd prompts?

**Ans:**

Run🡪 CMD🡪 net start mssqlserver

Run🡪 CMD🡪 net stop mssqlserver

27.  What is transaction?

Ans: IT is nothing but sequence of actions

28.  Can you say syntax of transaction?

**Ans:** Begin Tran

Statements

Commit Tran

29.  What is difference between cascade drop of table?

**Ans:** Cascade option allows the user to delete all the tables which are defined by foreign key relation

30.  What happened if we issue drop table command?

**Ans:** If the tables are involved in foreign key relation, if we try to delete those tables. It will not allow deleting. If we delete under any circumstances we define that as cascade

31.  What are the several recovery models?

**Ans:** Full, simple, Bulk logged recovery model

32.  Why log shipping is not supported in simple recovery model?

33.  What is the default port for mirroring?

**Ans:** 5022

34.  How to change default port for sqlserver?

Ans: Go to sqlserver configuration manager🡪 service🡪 protocols🡪 choose TCP/IP🡪 right click🡪 Take properties🡪 Go to advanced🡪 Change IP for which are not loop backed ip

35.  What is resource governor?

36.  What is heart beating in clustering?

37.  Which cable is used for heart beat, Is it cross cable or plain cable?

**ANS:** Cross cable

What are the different types of indexes?

What are the limits for cluster and non cluster indexes? ANS: 1- 255

we have only one cluster index for table?

What is the importance of statistics?

Scenario: My server running fast upto the yester day, today onwords slows, As a DBA what you have to do?

How to find what are the queries that are running in particular SPID?  
sys.dm\_exec\_sql\_text

How to find sql server version?

**Ans:** select @@version

45.  What is another port number for sqlserver?

**Ans:** for TCP/IP: 1433, UDP: 1434

46.  I have backup and I want to restore upto particular time only?

**Ans:** Restore database wowzzy to disk=’’ with stopat=’time stamp’

47.  How to create user, how to assign read and write permissions only for that user?

48.  What is Super admin, who is having total rights in system level? Ans: SA

49.  What is full form of SA? Ans: System Administrator

50.  What are the different locks?

51.  What are different isolation levels?

52.  What is serelizable?

53.  What is exclusive lock?

54.  I have done some schema change (Add column for table) in merge replication for an article, is it applied for subscriber?

55.  Can you list some system tables