**ALWAYS ON INTERVIEW QUESTIONS**

1. What is ALWAYSON in SQL Server?
2. What are Availability Groups? AG Databases?
3. What are the ALWAYSON improvements added in SQL Server 2014?
4. What are the ALWAYSON improvements in SQL Server 2016?
5. What are the Restrictions on Availability Groups?
6. How many read-write and read only databases replica can be configure in SQL Server 2012 and 2014?
7. Is it possible to setup Log Shipping or Replication on a database which is the part of Availability Group?
8. What version of Windows do we need for ALWAYSON AGs?
9. Can we have different indexes or tables on other replicas?
10. What is Availability mode in Always ON?
11. What is Availability Group listener?
12. What are the benefits of Readable Secondary Replicas?
13. What all types of DB backups are possible on Secondary Replicas?
14. What is “Failover” in ALWAYSON?
15. How many types of Failover are supported by Always ON?
16. What are the Failover types supported by Synchronous-commit mode? Asynchronous-commit mode?
17. What is the use of ALWAYSON Dashboard?
18. Suppose primary database became in suspect mode, will AG failover to secondary replica?
19. Does AG support automatic page repair for protection against any page corruption happens?
20. Does SQL Server 2012 ALWAYSON supports encryption and compression?
21. What is session timeout period?
22. Is it possible to run DBCC CHECKDB on secondary replicas?
23. If a DBA expands a data file manually on the primary, will SQL Server automatically grow the same file on SECONDARIES?
24. Is it possible to create additional indexes and statistics on read-only secondary replicas to improve query performance?
25. What is read intent option?
26. How much network bandwidth is required for a successful Always-On AG setup?
27. How do you monitor ALWAYSON Availability Groups?
28. Can we configure Automatic failover of Availability Groups with SQL Server Failover cluster instances?
29. Do we need SQL Server Cluster instances to configure Always ON?
30. How does licensing work with ALWAYSON Availability Groups in SQL 2012 and 2014?
31. Do we need a shared quorum disk for cluster?
32. If we fail over to an asynchronous replica, and its behind, how do we sync up changes after the original primary comes back online?
33. We have got an alert “WSFC cluster service is offline.” What is your action plan?
34. We have got an alert “Availability group is offline.” Can you explain about this warning and your action plan?
35. We have got an alert “Availability group is not ready for automatic failover.” Explain about the warning and action plan?
36. Any difficult issue you have faced recently on High Availability Groups and explain?
37. What is failure condition level in always on server?
38. How many listeners we can create?
39. If we create logins, Jobs in primary replica, is it replicated to other replicas as well?
40. Can we configure AG without configuring Availability Group Listeners?
41. One database becomes inaccessible in AG, will the Availability Group initiate an automatic failover?
42. How to resolve connectivity issues with SQL Server Availability Groups?
43. Can we do load balancing in AG?
44. What are the benefits of Always on feature?
45. Do we need SQL Server Cluster instances to configure Always ON?
46. Can we configure ALWAYSON Availability Groups in Standard Edition?
47. Data synchronization state for one of the availability database is not healthy. What wold be the possible reasons?
48. Any specific limitations if we need to perform auto backups from secondary backups?
49. What are the top reasons that cause an unsuccessful failover?
50. What’s the difference between AGs in SQL 2012, SQL 2014 and 2016?