**1. Which tool have you used for Implement CI/CD?**

Jenkins

**2. Any Alternate tool do you know for CI/CD?**

Bamboo, UDeploy, Team city, TFS

**3. What is Continuous Integration?**

Get the Source code from Central repository and Compile the code, Test the code and build the code push to artifactory tools.

**4. What are the jobs that u configured in Jenkins?**

1. Freestyle 2. Pipeline 3.Multiconfiguration

**5. What are the types of jobs available in Jenkins?**

**a.** Freestyle **b.** Maven **c.** Pipeline **d.** Multibranch Pipeline **e.** build flow

**6. Difference between freestyle and Pipeline job?**

**Freestyle Job:** All are User based it takes more execution time, everything is executed in the agent, only master node.

**Pipeline Job:** Less Execution time any where we can execute.

**7. What is Jenkins Pipeline?**

Declare the job as a code and execution flow as a code and execute the no of jobs through pipeline

**8. What is Declarative pipeline?**

Declarative Pipeline is new type, in this we can declare no of stages under one node single agent.

**9. Difference between declarative and Script based pipeline?**

In Declarative pipeline no of stages under single node. While Script based pipeline each stage have each node.

**10. What is Pipeline Syntax?**

Declarative or Script based

**11. Master Slave architecture what is the use?**

If we want to save the Jenkins space we should go for Slave

**12. How many ways to connect Slave nodes?**

**a.** Webstart **b.** SSH agent **c.** Execution of command on the master **d.** Lets Jenkins Control this windows slave as a windows service

**13. How many ways you have provide security for your Jenkins servers?**

**a. Ldap** Based Security b**.** Matrix based Security

**14. What is SonarQube Have you configured? How you Configure?**

Sonar Cube: Static Code Analysis, Yes I Configured using Sonar-Project. Properties Language. which folder wants to monitor and passed the quality gates, if quality gates failure build also failure

**15. What type of Artifact repo tools have you used?**

**Nexus:** Backup of the old Previous Successful build job.

**Pro:** Commercial

**16. What is the use of artifact tools?**

For taking backup of successful builds, share the Libraries to the teams.

**17. How do you declare variables in pipeline?**

Simple we can declare the variables and assign the values.

**18. What is DSL Language?**

Domain specific language using Groovy language, pipeline syntax is the DSL language.

**19. If you have 10 Repositories in github, how many jobs you can configure?**

10 Jobs we can create.

**20. Do you have experience in installing the Jenkins?**

Yes.

**21. How you Configure jdk maven, gradle etc?**

Under Configuration tab home of all softwares.

**22. In my environment I have different versions for java implementations projects is there?**

**Can you configure multiple JDKs?**

Go to configure section, manage jenkins-Global tool configuration

**23. What are the plugins you have used in your project?**

Nexus Artifactory, Nexus Uploader, Build plugin, mavenplugin, Pipeline plugin.

**24. How to take backup of my Jenkins?**

Thin backup plugin

**25. What is Jenkins home directory?**

**.**Jenkins

**26. How to delete old builds automatically?**

Go to Job configure, Select the discard old builds and keep the entries with our requirements, no of days to keep builds, maximum no of builds to keep.

**27. How to configure multiple environment deployment?**

Build with parametised