**Maven Quiz Paper**

1)What is Maven ? What is your experience with it?

Maven is a build management tool.it is used to convert source code to artifact.

2)What are the different tools that you have integrated Maven with?

Nexus and artifactory tools are integrated with maven which are used to store files.

3)What are the steps that happen before a software projects deployment?

Check the code in svn

Download the code from svn

Build the code

Save

Move to production

update

4)What are the Advantages of maven over Ant ?

Ant:we need to describe every information to ant.it is excuting in process

Maven: it is Convention over Configuration type.it will take its own process to build program in structured way.

5)What does it mean when you say Maven uses Convention over Configuration?

In maven it will take its own process to build project in structural way. Its not depend totally on man intereference.

6)How do you know the version of mvn you are using?

By using maven –version command

7)List two most important files in your maven installation?

-m2. File

8)What is POM? What does it contain? Explain in detail

POM means project object model.it is a xml file.it contain project dependies ,project version ,mailing list.

9)What is settings.xml ? What does it contain?

setting.xml is used to take information from company by using -m2. file

10)What is a goal in Maven terminology?

The goal of maven is build and manage.

11)Explain what the following commands will do?

mvn clean

mvn test

mvn install

mvn deploy

mvn clean is used delete the remote repository with all build code before start build code.

12)What are the most important phases of a Maven Build Lifecycle?

Validate

Compile

Test

Package

install

deploy

13)What are Maven Profiles ? How do you use a specific profile?

14) What are Maven Plugins? List a few important maven plugins that you used?

(Must talk about maven release plugin)

Maven Plugin used build code in described language

Ex: java plugin for java code

Maven -jar-plugin

Maven-war-plugin

15)How do you use plugins in Maven?

Maven plugins used to build code in described language

16)What are dependencies in maven? How are they declared? How is transitive dependencies managed in Maven?

any company using third party java zar files from java library when we need

ex:spring-jdbc.

17)What is difference between Dependency Management and Plugin Management in maven?

Plugins used to build code in described language and dependency is used to build code with the help of third party.

18)how do you create properties in a maven pom ?

19)How would you if a given pom is parent pom or a child pom ?

In plugin if we are using packing pom that means its parent pom

Module is nothing but child pom

20)How would you use modules in maven? When do you create a module for your project?

21)What is the order of inheritence between following files:

settings file

company pom

project pom

child/ module pom

company pom

project pom

child pom

settings file

22)What is the difference between the aggregation and inheritence in Maven?

23) In your current/previous project, how did you guys manage application version strings ?

Talk about what mV versions:set -Dnewversion=X.X.X.X and maven release plugin