

# Jenkins\_Assessment BC-101

Points: 24/25

Time: 10:14

✓ **Correct** 1/1 Points

1. How to install plugins in jenkins?

- ☐ None of these
- ☐ Manage Jenkins -> Configure Global Security-> Available -> Select and Install plugin
- ☐ Manage Jenkins -> Configure System -> Select and Install plugin
- ☒ Manage Jenkins-> Manage Plugins-> Available -> Select and Install plugin

✓ **Correct** 1/1 Points

2. CI/CD stands for

- ☐ Continuous Initialisation Continuous Debit
- ☒ Continuous Integration Continuous Delivery
- ☐ Continuous Installation Continuous Deployment

☐ Continuous Infrastructure Continuous Demand

✓ **Correct** 1/1 Points

3. What is Jenkinsfile?

- ☐ A file used for storing Jenkins server configuration.
- ☒ A text file that contains the definition of a Jenkins pipeline.
- ☐ A file used for storing DNS server configuration.
- ☐ A file used for creating users on the server.

✓ **Correct** 1/1 Points

4. Which plugin restrict users to only read/build the jobs?

- ☒ Role-based Authorization Strategy
- ☐ CloudBees AWS Credentials
- ☐ All of these
- ☐ Ansible

✓ **Correct** 1/1 Points

5. Which keyword is used to define a stage in declarative pipeline?

- ☐ step

- ☐ post
- ☐ shell
- ☒ stage

✓ **Correct** 1/1 Points

6. Which Jenkins plugin is used to integrate Jenkins with Docker containers?

- ☒ Docker Plugin
- ☐ Container Plugin
- ☐ Docker Private repo
- ☐ Docker hub integration

✓ **Correct** 1/1 Points

7. Where can you place a comment in a Jenkinsfile?

- ☒ Anywhere in the file
- ☐ Only at the beginning of the file
- ☐ Within stages and steps only
- ☐ Only at the end of the file

✓ **Correct** 1/1 Points

8. In a Jenkins Groovy pipeline, how do you create a custom function to reuse in multiple stages?

- ☒ Use the 'def' keyword within the node block
- ☐ Custom functions are not supported in Jenkins
- ☐ None of these
- ☐ Use 'stage' block instead of function

✓ **Correct** 1/1 Points

9. Which scripting language is used in Jenkins?

- ☐ BASH
- ☐ Python
- ☒ Groovy
- ☐ Perl

✓ **Correct** 1/1 Points

10. Which file contains initial admin password?

- ☐ /etc/initialAdminPassword
- ☐ No password required
- ☒ \$JENKINS\_HOME/secrets/initialAdminPassword
- ☐ \$JENKINS\_HOME/initialAdminPassword

✓ **Correct** 1/1 Points

11. What is the recommended practice for storing Jenkinsfiles in version control?

- ☐ Store them in cloud-based storage service
- ☒ Store them in a separate Jenkinsfile repository
- ☐ Store them in Jenkins servers file system
- ☐ None of these

✓ **Correct** 1/1 Points

12. Jenkins functionalities can be extended using

- ☒ plugins
- ☐ themes
- ☐ widgets
- ☐ parameters

✓ **Correct** 1/1 Points

13. "script" block in declarative pipeline is used to

- ☐ define input parameters
- ☐ execute sub-pipeline
- ☒ execute shell scripted code within the pipeline

☐ specify the jenkins job name

✓ **Correct** 1/1 Points

14. Which module allows you to define conditional stages in the pipeline?

☒ 'when' Directive

☐ 'parallel' step

☐ 'parameter' Directive

☐ 'post' Directive

✓ **Correct** 1/1 Points

15. Which of the following in the Jenkinsfile allows you to define environment variables?

☐ stages

☒ environment

☐ tools

☐ post

✓ **Correct** 1/1 Points

16. Jenkins plugins can be managed and updated through

☒ Jenkins Web Interface

- ☐ Editing the Jenkins Views
- ☐ All of these
- ☐ Editing the Jenkins jobs

✓ **Correct** 1/1 Points

17. In pipeline, which of the below will fail the job and show error in the console output?

- ☐ raise "Job is failing"
- ☐ All of these
- ☐ exception "Job is failing"
- ☒ error "Job is failing"

✓ **Correct** 1/1 Points

18. Which url is used to check health status of jenkins worker nodes

- ☐ (jenkins url:port)/health
- ☐ (jenkins\_url:port)/manage
- ☐ (jenkins\_url:port)/monitor
- ☒ (jenkins\_url:port)/monitoring/nodes

✓ **Correct** 1/1 Points

19. Which of the following is used for error handling in Jenkinsfile?

- ☒ try...catch
- ☐ try...except
- ☐ if...else
- ☐ for...each

✗ **Incorrect** 0/1 Points

20. What is the benefit of using shared libraries in Jenkins pipelines?

- ☒ All of these
- ☐ It helps with better logging in console output.
- ☐ The need for Jenkins agents is reduced by using shared libraries.
- ☐ Libraries promote code reuse and standardization across pipelines.

✓ **Correct** 1/1 Points

21. Which of the following is used for comments in Jenkinsfile?

- ☐ \$
- ☐ --
- ☒ //
- ☐ <\_



✓ **Correct** 1/1 Points

22. How can you reference and use external shared libraries in a Jenkinsfile?

- ☒ By using the @Library annotation and importing them from a version control repository
- ☐ By importing them
- ☐ By using them as environment variables.
- ☐ None of these

✓ **Correct** 1/1 Points

23. Which of the following tools is commonly used for linting and validating Jenkinsfile?

- ☐ Groovy Lint
- ☐ Validator Jenkins
- ☒ Jenkins Pipeline Linter
- ☐ Lint Jenkins

✓ **Correct** 1/1 Points

24. Jenkins plugins are generally written in

- ☐ Python
- ☒ Java

- ☐ C++
- ☐ Javascript

✓ **Correct** 1/1 Points

25. The 'unstable' step in the Jenkins pipeline is used to

- ☒ mark a stage as unstable when certain conditions are met
- ☐ generates a warning message and mark build status as success
- ☐ fail a stage even if there's no error
- ☐ allow a stage to continue running even if it encounters an error

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