

Started on	Wednesday, 6 August 2025, 5:10 PM
State	Finished
Completed on	Wednesday, 6 August 2025, 5:13 PM
Time taken	3 mins 25 secs
Marks	19.00/20.00
Grade	95.00 out of 100.00

Question 1

Complete

Mark 0.00 out of 1.00

How do you define a stage that only runs on a specific branch in Jenkins declarative pipeline?

- ☐ a. `when { equals branch: 'main' }`
- ☒ b. `onlyIf { branch == 'main' }`
- ☐ c. `stage('X') { if(branch == 'main') { ... } }`
- ☐ d. `when { branch 'main' }`

Question 2

Complete

Mark 1.00 out of 1.00

In a Jenkins pipeline, what is the behavior of `parallel` block?

- ☐ a. Duplicates a job across agents
- ☒ b. Runs multiple branches concurrently
- ☐ c. Runs all stages sequentially with logs
- ☐ d. Creates new threads in master node

Question 3

Complete

Mark 1.00 out of 1.00

In Groovy, what will `"5" * 2` evaluate to?

- ☐ a. `"55"`
- ☐ b. `10`
- ☐ c. `"5 5"`
- ☒ d. `"55"`

Question 4

Complete

Mark 1.00 out of 1.00

In Jenkins, how is a shared library typically loaded in a pipeline?

- ☐ a. Using `loadLibrary` command
- ☐ b. Using `import` keyword
- ☒ c. With `@Library` annotation
- ☐ d. Through a plugin

Question 5

Complete

Mark 1.00 out of 1.00

In Jenkins, which option keeps only a fixed number of recent builds?

- ☐ a. Build Triggers
- ☐ b. Post-build Actions
- ☐ c. Build timeout plugin
- ☒ d. Discard Old Builds

Question 6

Complete

Mark 1.00 out of 1.00

In Jenkinsfile, which syntax is valid for defining a parameterized build?

- ☐ a. `env.ENV = 'dev'`
- ☐ b. `buildParam("ENV")`
- ☒ c. `parameters { string(name: 'ENV', defaultValue: 'dev') }`
- ☐ d. `input "Choose value"`

Question 7

Complete

Mark 1.00 out of 1.00

What does `docker exec` do?

- ☐ a. Exits the Docker daemon
- ☐ b. Executes a command in a stopped container
- ☐ c. Runs a new container with a command
- ☒ d. Executes a command inside a running container

Question 8

Complete

Mark 1.00 out of 1.00

What does `FROM scratch` mean in a Dockerfile?

- ☐ a. Use the latest Ubuntu version
- ☒ b. Use an empty base image
- ☐ c. Rebuild all dependencies
- ☐ d. Use base image from Alpine

Question 9

Complete

Mark 1.00 out of 1.00

What does the `agent any` directive do in a Jenkins Declarative Pipeline?

- ☒ a. Runs on any available executor
- ☐ b. Assigns the pipeline to the master node
- ☐ c. Executes on all nodes simultaneously
- ☐ d. Runs only in Docker agent

Question 10

Complete

Mark 1.00 out of 1.00

What happens if you run a Docker container with the `--rm` flag?

- ☐ a. The container image is deleted
- ☒ b. The container is removed after it exits
- ☐ c. The container restarts automatically on failure
- ☐ d. The container is paused after execution

Question 11

Complete

Mark 1.00 out of 1.00

What happens when you use the `docker run -d` command?

- ☐ a. Runs the container in interactive mode
- ☐ b. Starts Docker daemon
- ☐ c. Deletes existing containers before starting new
- ☒ d. Runs container in background and returns container ID

Question 12

Complete

Mark 1.00 out of 1.00

What is the default network driver in Docker?

- ☒ a. bridge
- ☐ b. host
- ☐ c. none
- ☐ d. overlay

Question 13

Complete

Mark 1.00 out of 1.00

What is the purpose of `post` section in a Jenkins declarative pipeline?

- ☐ a. Executes steps in parallel
- ☐ b. Defines environment variables
- ☐ c. Defines parameters for builds
- ☒ d. Contains steps that always run, even after failure

Question 14

Complete

Mark 1.00 out of 1.00

Which command is used to create a new Docker image from a container's changes?

- ☒ a. docker commit
- ☐ b. docker run
- ☐ c. docker save
- ☐ d. docker build

Question 15

Complete

Mark 1.00 out of 1.00

Which command saves an image to a .tar file for backup?

- ☐ a. docker image save image file.tar
- ☐ b. docker export image > file.tar
- ☐ c. docker backup image > file.tar
- ☒ d. docker save image > file.tar

Question 16

Complete

Mark 1.00 out of 1.00

Which file does Docker use to ignore files/folders during build?

- ☒ a. .dockerignore
- ☐ b. dockerfile.ignore
- ☐ c. .gitignore
- ☐ d. .dockerconfig

Question 17

Complete

Mark 1.00 out of 1.00

Which Jenkins plugin is required for using Docker agents in pipelines?

- ☒ a. Docker Pipeline Plugin
- ☐ b. Docker Commons Plugin
- ☐ c. Docker Integration Plugin
- ☐ d. Docker Build and Push Plugin

Question 18

Complete

Mark 1.00 out of 1.00

Which of the following best describes a Groovy sandbox in Jenkins?

- ☐ a. A testing mode for pipeline output
- ☐ b. A tool to encrypt credentials
- ☒ c. A restricted environment to safely run untrusted scripts
- ☐ d. A debugger for Jenkins jobs

Question 19

Complete

Mark 1.00 out of 1.00

Which of the following layers is shared between Docker containers?

- ☒ a. Read-only image layers
- ☐ b. Writeable layer
- ☐ c. Mount namespace
- ☐ d. Container ID

Question 20

Complete

Mark 1.00 out of 1.00

Which of these Groovy data types is mutable and ordered?

- ☒ a. List
- ☐ b. Map
- ☐ c. Set
- ☐ d. String