Started on	Thursday, 22 May 2025, 12:23 PM
State	Finished
Completed on	Thursday, 22 May 2025, 12:31 PM
Time taken	8 mins 28 secs
Marks	16.00/20.00
Grade	**80.00** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

How can you see all running Docker containers?

Select one:

○ **a. docker images**

◉ **b. docker ps**

○ **c. docker show**

○ **d. docker list**

Question 2

Complete

Mark 1.00 out of 1.00

How do you scale a deployment to 5 replicas?

Select one:

○ **a. kubectl deploy --scale=5**

○ **b. kubectl resize myapp 5**

◉ **c. kubectl scale deployment myapp --replicas=5**

○ **d. kubectl set replicas myapp=5**

Question 3

Complete

Mark 1.00 out of 1.00

In a Deployment YAML, what does spec.template define?

Select one:

○ **a. The build script**

○ **b. A new container registry**

◉ **c. The pod configuration**

○ **d. The node selector**

Question 4

Complete

Mark 0.00 out of 1.00

What command copies files from host to container image in a Dockerfile?

Select one:

○ **a. MOVE**

◉ **b. COPY**

○ **c. ADD**

○ **d. Both COPY and ADD**

Question 5

Complete

Mark 1.00 out of 1.00

What does kubectl describe command do?

Select one:

◉ **a. Shows detailed information about a resource**

○ **b. Shows logs**

○ **c. Deletes the pod**

○ **d. Outputs YAML format**

Question 6

Complete

Mark 0.00 out of 1.00

What does the -d flag in docker run -d stand for?

Select one:

- ○ **a. Debug**
- ⦿ **b. Detach disk**
- ○ **c. Delete**
- ○ **d. Daemon (background mode)**

Question 7

Complete

Mark 1.00 out of 1.00

What does the EXPOSE keyword in Dockerfile do?

Select one:

- ○ **a. Connects to external APIs**
- ⦿ **b. Documents the port number**
- ○ **c. Opens the file system**
- ○ **d. Exposes sensitive data**

Question 8

Complete

Mark 1.00 out of 1.00

What does the kubectl get pods command do?

Select one:

- ⦿ **a. Lists all pods**
- ○ **b. Modifies pods**
- ○ **c. Creates pods**
- ○ **d. Deletes all pods**

Question 9

Complete

Mark 1.00 out of 1.00

What is a Docker container?

Select one:

- ⦿ **a. A lightweight, standalone executable package**
- ○ **b. A hardware virtualization platform**
- ○ **c. A virtual machine**
- ○ **d. A GitHub repository**

Question 10

Complete

Mark 1.00 out of 1.00

What is the default base image format in a Dockerfile?

Select one:

- ○ **a. WORKDIR**
- ○ **b. ENV**
- ○ **c. ENTRYPOINT**
- ⦿ **d. FROM**

Question 11

Complete

Mark 0.00 out of 1.00

What is the default service type in Kubernetes?

Select one:

- ○ **a. NodePort**
- ○ **b. ExternalName**
- ⦿ **c. LoadBalancer**
- ○ **d. ClusterIP**

Question 12

Complete

Mark 1.00 out of 1.00

What is the function of a Kubernetes Service?

Select one:

○ **a. Create containers**

◉ **b. Expose pods to the network**

○ **c. Monitor logs**

○ **d. Deploy apps**

Question 13

Complete

Mark 1.00 out of 1.00

What is the purpose of a ReplicaSet?

Select one:

○ **a. To expose services**

◉ **b. To ensure a specified number of pod replicas**

○ **c. To store pod logs**

○ **d. To monitor API calls**

Question 14

Complete

Mark 0.00 out of 1.00

What is the role of a Pod in Kubernetes?

Select one:

○ **a. To control replication**

◉ **b. To execute kubectl commands**

○ **c. The smallest deployable unit**

○ **d. To store images**

Question 15

Complete

Mark 1.00 out of 1.00

Which command deletes a Kubernetes resource from a YAML file?

Select one:

- ○ a. kubectl drop -f
- ● b. kubectl delete -f
- ○ c. kubectl remove
- ○ d. kubectl purge -f

Question 16

Complete

Mark 1.00 out of 1.00

Which command is used to build a Docker image?

Select one:

- ○ a. docker run
- ○ b. docker image
- ● c. docker build
- ○ d. docker make

Question 17

Complete

Mark 1.00 out of 1.00

Which Docker command stops a running container?

Select one:

- ○ a. docker delete
- ● b. docker stop
- ○ c. docker kill
- ○ d. docker pause

Question 18

Complete

Mark 1.00 out of 1.00

Which file defines the steps to build a Docker image?

Select one:

- ◉ **a. Dockerfile**
- ○ **b. Makefile**
- ○ **c. Containerfile**
- ○ **d. Buildfile**

Question 19

Complete

Mark 1.00 out of 1.00

Which file format is used for Kubernetes configuration?

Select one:

- ○ **a. .conf**
- ○ **b. .json only**
- ◉ **c. .yml or .yaml**
- ○ **d. .ini**

Question 20

Complete

Mark 1.00 out of 1.00

Which of the following best explains docker-compose?

Select one:

- ○ **a. Combines Docker images**
- ◉ **b. Manages multiple containers as a single service**
- ○ **c. A version of Docker for Windows**
- ○ **d. Compiles Docker containers into a binary**