Started on	Thursday, 22 May 2025, 12:20 PM
State	Finished
Completed on	Thursday, 22 May 2025, 12:26 PM
Time taken	5 mins 49 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 ps**
- ○ **b. docker show**
- ○ **c. docker list**
- ○ **d. docker images**

Question 2

Complete

Mark 1.00 out of 1.00

How do you scale a deployment to 5 replicas?

Select one:
- ○ **a. kubectl resize myapp 5**
- ○ **b. kubectl deploy --scale=5**
- ⦿ **c. kubectl scale deployment myapp --replicas=5**
- ○ **d. kubectl set replicas myapp=5**

Question 3

Not answered

Marked out of 1.00

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

Select one:
- ○ **a. The node selector**
- ○ **b. The build script**
- ○ **c. A new container registry**
- ○ **d. The pod configuration**

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. COPY**
- ○ **b. Both COPY and ADD**
- ○ **c. MOVE**
- ○ **d. ADD**

Version 4.2

Question 5

Complete

Mark 1.00 out of 1.00

What does kubectl describe command do?

Select one:

- ○ **a. Outputs YAML format**
- ◉ **b. Shows detailed information about a resource**
- ○ **c. Shows logs**
- ○ **d. Deletes the pod**

Question 6

Complete

Mark 1.00 out of 1.00

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

Select one:

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

Question 7

Complete

Mark 1.00 out of 1.00

What does the EXPOSE keyword in Dockerfile do?

Select one:

- ◉ **a. Documents the port number**
- ○ **b. Opens the file system**
- ○ **c. Connects to external APIs**
- ○ **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. Deletes all pods**
- ◉ **b. Lists all pods**
- ○ **c. Creates pods**
- ○ **d. Modifies pods**

Question 9

Complete

Mark 1.00 out of 1.00

What is a Docker container?

Select one:

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

Question 10

Complete

Mark 1.00 out of 1.00

What is the default base image format in a Dockerfile?

Select one:
- ○ **a. ENV**
- ◉ **b. FROM**
- ○ **c. ENTRYPOINT**
- ○ **d. WORKDIR**

Question 11

Complete

Mark 0.00 out of 1.00

What is the default service type in Kubernetes?

Select one:
- ○ **a. ExternalName**
- ◉ **b. NodePort**
- ○ **c. ClusterIP**
- ○ **d. LoadBalancer**

Question 12

Complete

Mark 0.00 out of 1.00

What is the function of a Kubernetes Service?

Select one:
- ◉ **a. Deploy apps**
- ○ **b. Expose pods to the network**
- ○ **c. Monitor logs**
- ○ **d. Create containers**

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 monitor API calls**
- ○ **c. To store pod logs**
- ◉ **d. To ensure a specified number of pod replicas**

Question 14

Complete

Mark 1.00 out of 1.00

What is the role of a Pod in Kubernetes?

Select one:
- ○ **a. To execute kubectl commands**
- ○ **b. To control replication**
- ○ **c. To store images**
- ◉ **d. The smallest deployable unit**

Question 15

Complete

Mark 1.00 out of 1.00

Which command deletes a Kubernetes resource from a YAML file?

Select one:

- ○ **a. kubectl remove**
- ⊙ **b. kubectl delete -f**
- ○ **c. kubectl drop -f**
- ○ **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 make**
- ⊙ **b. docker build**
- ○ **c. docker run**
- ○ **d. docker image**

Question 17

Complete

Mark 1.00 out of 1.00

Which Docker command stops a running container?

Select one:

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

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. Buildfile**
- ○ **c. Containerfile**
- ○ **d. Makefile**

Question 19

Complete

Mark 1.00 out of 1.00

Which file format is used for Kubernetes configuration?

Select one:

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

Question 20

Complete

Mark 1.00 out of 1.00

Which of the following best explains docker-compose?

Select one:

○ **a. A version of Docker for Windows**

○ **b. Compiles Docker containers into a binary**

○ **c. Combines Docker images**

◉ **d. Manages multiple containers as a single service**

Version 4.2