Started on	Thursday, 22 May 2025, 12:28 PM
State	Finished
Completed on	Thursday, 22 May 2025, 12:34 PM
Time taken	5 mins 41 secs
Marks	17.00/20.00
Grade	**85.00** 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 list
- ◉ b. docker ps
- c. docker images
- d. docker show

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 scale deployment myapp --replicas=5
- c. kubectl set replicas myapp=5
- d. kubectl resize myapp 5

Question 3

Complete

Mark 0.00 out of 1.00

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

Select one:

- a. The pod configuration
- b. The build script
- c. A new container registry
- ◉ 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. Deletes the pod**
- ◉ **b. Shows detailed information about a resource**
- ○ **c. Outputs YAML format**
- ○ **d. Shows logs**

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. Delete**
- ○ **c. Detach disk**
- ◉ **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. Exposes sensitive data**
- ◉ **b. Documents the port number**
- ○ **c. Opens the file system**
- ○ **d. Connects to external APIs**

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. Creates pods**
- ◉ **c. Lists all pods**
- ○ **d. Modifies 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. FROM**
- ◯ **b. ENTRYPOINT**
- ◯ **c. WORKDIR**
- ◯ **d. ENV**

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 1.00 out of 1.00

What is the function of a Kubernetes Service?

Select one:

- ◯ **a. Monitor logs**
- ◯ **b. Deploy apps**
- ◯ **c. Create containers**
- ⦿ **d. Expose pods to the network**

Question 13

Complete

Mark 1.00 out of 1.00

What is the purpose of a ReplicaSet?

Select one:

- ◯ **a. To store pod logs**
- ◯ **b. To monitor API calls**
- ⦿ **c. To ensure a specified number of pod replicas**
- ◯ **d. To expose services**

Question 14

Complete

Mark 1.00 out of 1.00

What is the role of a Pod in Kubernetes?

Select one:

- ◯ **a. To store images**
- ◯ **b. To execute kubectl commands**
- ◯ **c. To control replication**
- ⦿ **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 purge -f**

◉ **b. kubectl delete -f**

○ **c. kubectl remove**

○ **d. kubectl drop -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 image**

◉ **c. docker build**

○ **d. docker run**

Question 17

Complete

Mark 1.00 out of 1.00

Which Docker command stops a running container?

Select one:

○ **a. docker kill**

◉ **b. docker stop**

○ **c. docker delete**

○ **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. Containerfile**

◉ **b. Dockerfile**

○ **c. Makefile**

○ **d. Buildfile**

Question 19

Complete

Mark 1.00 out of 1.00

Which file format is used for Kubernetes configuration?

Select one:

◉ **a. .yml or .yaml**

○ **b. .ini**

○ **c. .json only**

○ **d. .conf**

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**