1.	In what three environments can container orchestration be implemented?
	On-premises environments
	Correct Correct! Container orchestration can be implemented in on-premises, public cloud, private cloud, and multicloud environments.
	✓ Public cloud environments
	 Correct Correct! Container orchestration can be implemented in on-premises, public cloud, private cloud, and multicloud environments.
	✓ Private cloud environments
	Correct Correct! Container orchestration can be implemented in on-premises, public cloud, private cloud, and multicloud environments.
	A single device
2.	What is the most popular container orchestration tool used as of 2022?
	O Docker Swarm
	O Nomad
	Kubernetes
	O Marathon

3.	What does a control plane do?
	Maintains the intended Cluster state by making decisions about the Cluster and detecting and responding to events in the Cluster
	O Shares all the resources of a node
	Assigns newly created Pods to nodes
	O Contains Pods
	Correct Correct! A control plane maintains the intended Cluster state by making decisions about the Cluster and detecting and responding to events in the Cluster.
4.	What component of a worker node ensures containers are running as desired?
	The Kubernetes proxy
	The kubelet
	Container runtime
	○ Etcd
	Correct Correct! The kubelet communicates with the kube-api server to receive new and modified Pod specifications and ensures that the Pods and their associated containers are running as desired.
5.	What are three Kubernetes capabilities?
	CI/CD pipelines
	Secret and configuration management
	 Correct Correct! Kubernetes offers many features, including automated rollouts, storage orchestration, and management of secrets and configuration.

~	Automated rollouts
(Correct Correct! Kubernetes offers many features, including automated rollouts, storage orchestration, and management of secrets and configuration.
~	Storage orchestration
(Correct Correct! Kubernetes offers many features, including automated rollouts, storage orchestration, and management of secrets and configuration.
Wh	at is automated bin packing?
•	A Kubernetes capability that performs container auto-placement based on resource requirements and conditions without sacrificing high availability
0	A Kubernetes capability that mounts a chosen storage system
0	A Kubernetes capability that scales workloads based on metrics or commands
0	A Kubernetes capability that applies automatic changes
6	Correct

Correct! Automated bin packing is a Kubernetes feature that performs container auto-placement based on

resource requirements and conditions without sacrificing high availability.

6.

7.	What is a label?
	A mechanism for isolating groups of resources within a single Cluster
	A key-value pair attached to an object
	The simplest unit in Kubernetes
	A set of identical running Pod replicas that are horizontally scaled
8.	What Kubernetes object should be used for stateless applications?
	○ StatefulSet
	Deployment
	O DaemonSet
	○ ReplicaSet
9.	What is Kubectl?
	O Docker command line interface
	O Cloud command line interface
	Kubernetes command line interface (CLI)
	OpenShift command line interface (oc)
	Correct Convert Make and a few Make Converse of Table in a Make and in the Make and the College
	Correct! Kubectl stands for Kube Command Tool Line. Kubectl is the Kubernetes CLI.

10.	What is the function of an External Name Service?
	Maps to a DNS name
	O Directs traffic to the NodePort Service
	Creates and routes the incoming requests automatically to the ClusterIP Service
	O Provides inter-service communication within the Cluster
	Correct! The External Name Service is the service type that maps to a DNS name.