SET2

1. What is a cluster?

a. A single system made up of servers and other resources

b. A computer program or device that provides services to other computers

c. A specific set of ordered operations

d. A software package that performs a specific function for an end user

Ans: a

2. In the context of Kubernetes, what is a container?

a. An application environment installed on software that imitates dedicated hardware

b. A package that relies on virtual isolation technology to deploy and run applications that access a shared OS kernel

c. A large metal box that is used to hold or transport something

d. A unit that stores data on a computer's memory drive

Ans: b

3. What is a pod in Kubernetes and what does it do?

* a. A collection of physical IT components that supports a group of containers

b. A collection of logic circuitry that evaluates a computer's operational code

c. Where you find peas

d. One or more containers grouped together to share resources and run as a unit

Ans: d

4. What is the function of a node?

a. To communicate with hosts on a network

b. To store data collected by the OS

c. To run **pods** according to master components

d. To channel incoming data from multiple input ports to a specific port

Ans: c

5. Which is the intended use for etcd?

a. To store all the cluster data, maintain its state and provide access to critical data

b. To link a unique identifier to a value

c. To encrypt cluster data and send it to a secrets manager

d. To authenticate cluster data

Ans: a

6. What is the function of labels?

a. To classify functions

b. To tag containers and link them together in groups

c. To assign functions to pods

d. To be ignored by millennials

Ans: b

7. What is the mission of the control plane?

a. To manage clusters of pods

b. To regulate communication between Kubernetes and clusters

c. To move workloads from one host to another

d. To control nodes

Ans: b

8. What is the purpose of a ReplicaSet?

a. To prevent clones from invading other clusters

b. To monitor and respond to environmental latency

c. To duplicate pods

d. To create and maintain volumes

Ans: c

9. What is a kubelet?

a. A node agent that manages pods and their containers

b. Software that is used to run containers outside of pods

c. A smaller version of Kubernetes

d. A device that collects data in an organized manner for easy access

Ans: a

10. Generally, what is a proxy service used for?

a. To supplant an authentic webpage in a search engine's index and search page results

b. To connect external parties and route data between internal and external containers

c. To act as an intermediary between an endpoint device and another server

d. To relay connection requests for inbound network traffic

Ans: b