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1) — consists of a set of tools & scripts that can help host — in a production environment.

- a. Containers, Orchestration
- ☒ b. Orchestration, Containers
- c. Kubernetes, Orchestration
- d. Orchestration, Kubernetes.

2) — is a distributed & consistent key-value store used to store cluster state info. in Kubernetes.

- ☒ a. etcd
- b. API server
- c. Controller
- d. None.

3) — is responsible for finding the best node to run a newly created pod in Kubernetes.

- a. Kubelet
- b. API server
- ☒ c. Scheduler
- d. Kube-proxy

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4. In kubernetes, — runs on each node & ensure that a node/pod/container can communicate to the other.

- a. Kubelet
- b. Worker plane
- c. Controller manager
- ☒ d. Kube-proxy.

5. — is a docker client that helps manage an application composed of multiple containers.

- ☒ a. kubernetes
- b. Docker compose
- c. " daemon
- d. " registry

6) Docker container images are stored in a

- a) " Content trust
- b. " desktop
- c. " daemon
- ☒ d. " registry.

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7. In _____, recovery from a failure is performed after the failure has occurred.

☒ a. Reactive maintenance

b. Predictive "

Ans: a

c. Condition-based "

d. Preventive maintenance.

8. In time-series data, _____ is a recurring pattern of a fixed length which is caused by seasonal factors.

☒ a. Seasonality

b. Trend

Ans: a

c. Drift

d. Recursion

9. Select the DL based models/methods used for time-series data modeling.

☒ a. LSTM

b. CNN

Ans: a, c

☒ c. GRU

d. ARIMA

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10. Which performance metric does the following equation represent?

$$\sqrt{\frac{1}{n} \sum_{i=1}^n (y - \hat{y})^2}$$

a. MSE

✓ b. RMSE

c. MAE

d. MAPE