QUESTION 1
Which load-balancing algorithm balances loads based on configurations to determine the traffic handling capacity of a server?

A. weighted round robin
B. sticky session
C. least connections
D. IP source affinity

Correct Answer: A

QUESTION 2
On which system must the messaging standards be defined to allow communication between all the components for a custom dashboard?

A. management server
B. front end
C. web application
D. back end

Correct Answer: D

QUESTION 3
Which method of addressing data privacy concerns should be considered during the development process of an application?

A. Ensure that a firewall runs on the server.
B. Use SSL/TLS for all communications.
C. Deny all requests on the web application firewall.
D. Set X-Frame-Options: DENY in the header.

Correct Answer: B

QUESTION 4
What is the frequency of monitoring data updates when using model-driven telemetry?

A. real time
B. every day
C. every 5 minutes
D. every hour

Correct Answer: A

QUESTION 5
An engineer needs to implement an application monitoring solution to evaluate and fine-tune performance. The application consists of a cloud- hosted web-based front end, an application logic server, and a database back end. During peak hours, users experience degradation to the service as the application

becomes less responsive. Which two metrics must the engineer observe to evaluate the application design? (Choose two.)

A. HTTP error rates
B. web host network bandwidth
C. SSL credential validity
D. database available storage
E. logic server CPU usage

Correct Answer: AB

QUESTION 6
A configuration management tool is needed for the provisioning stage of an automated deployment system. The desired end state of the infrastructure is well-documented and the tool must support rolling back to a previous state. Which tool meets this requirement?

A. Nornir
B. Ansible
C. Jenkins
D. Terraform

Correct Answer: B

QUESTION 7
How does TLS security address data privacy concerns regarding the storage and transmission of data?

A. It requires additional levels of network authorization.
B. It enables confidentiality of data in transit.
C. It enables confidentiality of data at rest.
D. It requires additional levels of user authentication.

Correct Answer: B

QUESTION 8
A developer designs and builds an API to interact with a large database that is hosted in the public cloud. The developer is concerned about database performance because the database is shared between production and non-production systems. Which approach provides protection to the database from excessive load?

A. Host the API on a public cloud platform to take advantage of auto-scaling.
B. Ensure that only valid users can access the API
C. Take the API offline if database utilization exceeds a predefined threshold.
D. Rate limit requests to the API

Correct Answer: D

QUESTION 9

Which interface provides an IOx application on a Catalyst 9000 Series switch access to the network?

A. AppGigabitEthernet 1/0/1
B. Loopback 1
C. GigabitEthernet 1/0/1
D. AppLoopback 1

Correct Answer: A

QUESTION 10

An engineer needs to design an application that will manage IoT-generated data. To optimize performance, the application design must support a high degree of observability and maintainability. The design must meet these requirements:
1. register every transactional step in the application process
2. hosted on a public cloud PaaS offering
3. must not differentiate individual inputs

Which best practice must the engineer implement?

A. exception handling
B. service tag tracing
C. application event logging
D. infrastructure resource monitoring

Correct Answer: B

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