# DU0-001 Q&As

Data Center University Associate Certification

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#### **QUESTION 1**

Requiring frequent password changes can compromise security because \_\_\_\_\_.

- A. Users tend to write down frequently changed passwords
- B. It makes the password database an easier target for hackers
- C. It makes it harder for legitimate users to access their own data
- D. It burdens the IT help desk with requests for forgotten or expired passwords

Correct Answer: A

#### **QUESTION 2**

What is the most common direction of airflow through a rack mount blade server assembly?

- A. Side to side
- B. Front to back
- C. Back to front
- D. Bottom to top
- Correct Answer: B

#### **QUESTION 3**

Why will touching a doorknob after walking across a carpet only cause a slightly painful spark, but touching a live utility wire inside the data center could cause death?

A. The utility company\\'s voltage is much higher than that of the spark.

- B. The spark generates DC power but the utility company generates AC power.
- C. The current available from a spark is much less than the current available from the utility company.

D. The human skin has a high enough resistance to keep from being hurt from the spark\\'s voltage but not from the utility company\\'s voltage.

Correct Answer: C

#### **QUESTION 4**

What are the three basic physical security categories that describe technologies for personnel identification? (Choose three.)

- A. Who you are
- B. Where you are
- C. What you have
- D. Who you know
- E. What you know
- Correct Answer: ACE

#### **QUESTION 5**

What is one cause of oscillatory transients?

- A. Lightning strikes
- B. Non-unity power factors
- C. Motors turning on and off
- D. Static electricity discharges

Correct Answer: C

#### **QUESTION 6**

Based on individual network IP addresses, an enterprise management system (EMS) handles which type of information?

- A. Device centric
- B. Network centric
- C. Element centric
- D. Data point centric

Correct Answer: A

#### **QUESTION 7**

Which three key components make up a three-phase stationary power distribution unit? (Choose three.)

- A. Rectifier
- B. Panel board
- C. Input transformer

- D. Rack mount bracket
- E. Input circuit breaker

Correct Answer: BCE

#### **QUESTION 8**

What are three transformer types? (Choose three.)

- A. Step-up transformer
- B. Isolation transformer
- C. Step-down transformer
- D. Delayed input transformer
- E. Limited induction transformer

Correct Answer: ABC

#### **QUESTION 9**

How do enclosures improve rack system cooling?

- A. By improving natural air flow
- B. By improving fire suppression
- C. By allowing hot and cold air to mix together
- D. By preventing hot and cold air from mixing together

Correct Answer: D

#### **QUESTION 10**

What characteristic is common to all cooling architectures?

- A. Deployable with on a raised floor
- B. Top or bottom airflow configuration
- C. Cooling equipment occupies white space
- D. Easily adaptable with changes in infrastructure

Correct Answer: A

#### **QUESTION 11**

During a power outage, a retail store is likely to exhibit which cost of downtime profile?

- A. Cost of downtime per hour remains the same.
- B. Cost of downtime per hour increases with time.
- C. Cost of downtime per hour decreases with time.
- D. Cost of downtime per hour is exponential with time.

Correct Answer: A

#### **QUESTION 12**

What is one positive effect of using standardized racks / enclosures that are universally compatible with vendors\\' equipment?

- A. Improved monitoring
- B. Increased load capacity
- C. Mixing of hot and cold air
- D. Decreased lifecycle costs

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Correct Answer: D
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#### **QUESTION 13**

Which two are characteristics of an agile data center? (Choose two.)

- A. Provision a UPS module with a different power capacity.
- B. Change out plug types when new IT equipment is installed.
- C. Design for "worse case" capacity to prevent future downtime.
- D. Have N+1 redundancy in part of the data center and 2N in another part based on equipment criticality.

Correct Answer: BD

#### **QUESTION 14**

Which method of heat transfer causes electromagnetic waves?

- A. Radiation
- B. Convection

- C. Conduction
- D. Evaporation

Correct Answer: A

#### **QUESTION 15**

Which two factors contribute to the amount of noise an electrical circuit contains within a building infrastructure? (Choose two.)

- A. The temperature ranges within the data center
- B. The integrity of the grounding system throughout the building
- C. The voltage type available to the building at the service entrance
- D. The degree to which electrical loads are balanced throughout the building

Correct Answer: BD

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