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To maximize the effectiveness of data center supply air distribution, where should perforated tiles in a raised floor environment be placed?

- A. In the hot aisle only
- B. In the cold aisle only
- C. In equal amounts in both hot and cold aisles
- D. Primarily in the hot aisle with some on the perimeter of room

Correct Answer: B

QUESTION 2

What represents a direct cost of downtime when an outage occurs in the data center?

- A. Brand perception is damaged.
- B. Revenue streams are slowed or stopped.
- C. Data center personnel need to be retrained.
- D. Software needs to be upgraded to latest versions.

Correct Answer: B

QUESTION 3

What does the term "5-nines" availability mean?

- A. 5 minutes of downtime per year
- B. 9 minutes of downtime per year
- C. 14 minutes of downtime per year
- D. 45 minutes of downtime per year

Correct Answer: A

QUESTION 4

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

Which NCPI component protects the data center during long duration outages (several hours to days)?

- A. Generator
- B. Static UPS
- C. Flywheel UPS
- D. Automatic transfer switch

Correct Answer: C

QUESTION 6

What does the CFD acronym stand for?

- A. Certified Field Dichotomy
- B. Circular Flow Determination
- C. Computational Finite Deviation
- D. Computational Fluid Dynamics

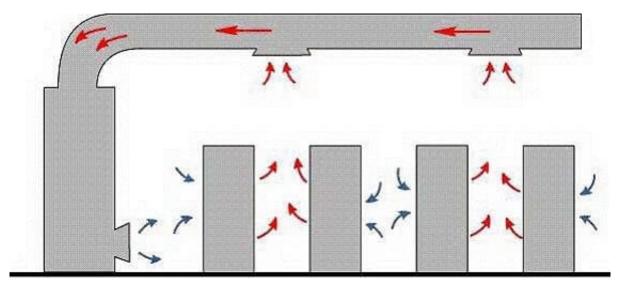
Correct Answer: D

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





Which air distribution method is displayed in this picture?

- A. Flooded supply, fully ducted return
- B. Flooded supply, locally ducted return
- C. Locally ducted supply, flooded return
- D. Locally ducted supply, flooded return

Correct Answer: B

QUESTION 9

What is defined as the force of electricity moving through a circuit?

- A. Volt
- B. Amp
- C. Ohm
- D. Frequency

Correct Answer: A

QUESTION 10

What is an advantage of using a diesel fuel source for a standby generator?

A. Cleaner burning fuel



- B. No fuel storage problems
- C. More hours of operation between engine overhauls
- D. Less engine preventative maintenance requirements

Correct Answer: C

In order to determine the exact level of redundancy available in the cooling system, which cooling architecture would require CFD analyses of every combination of system failures within the data center?

A. Row

B. Rack

C. Room

D. Ceiling

Correct Answer: C

QUESTION 12

What is the worldwide recognized standard for equipment mounting spacing for 482.6 mm (19 inch) equipment?

A. EIA-310

B. UL 1778

C. CSA C22.2

D. NEBS GR-63-CORE

Correct Answer: A

QUESTION 13

In order to determine the most appropriate UPS configuration for your business, which two factors should be considered? (Choose two.)

- A. How long recovery from failure will take
- B. How many employees will support the UPS
- C. How much money is budgeted for IT equipment
- D. How much money is flowing through the company every minute

Correct Answer: AD



Which is an example of an NCPI management system data point?

- A. Monitoring of network traffic
- B. Mislabeling of kirk-key interlock
- C. Advanced warning of UPS battery deficiency
- D. Reading of boiler room steam pressure levels

Correct Answer: C

QUESTION 15

What is the recommended orientation of airflow through an enclosure populated with servers to provide the most effective cooling?

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

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