



APC

DU0-001 Exam

Data Center University Associate Certification

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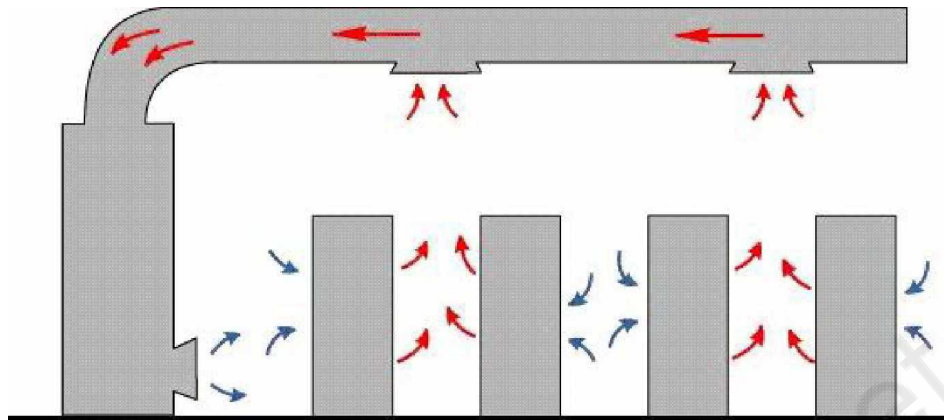
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Question: 1

Click the Exhibit button.



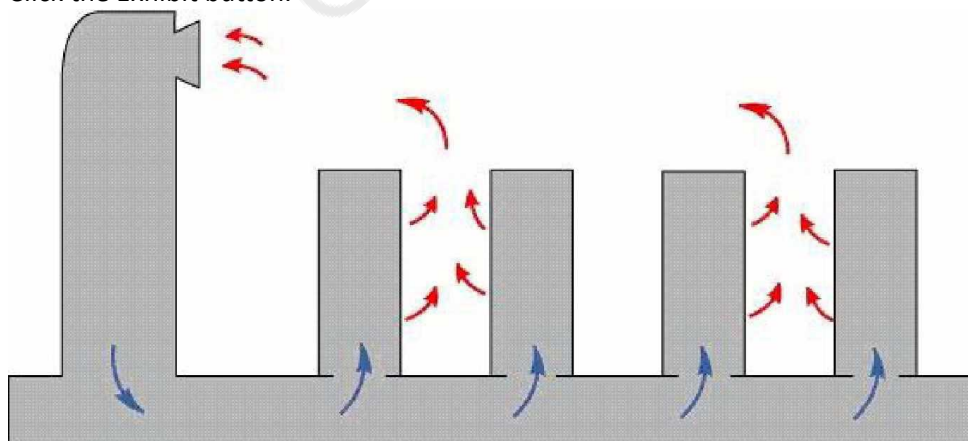
Which air distribution method is displayed in this picture?

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

Answer: B

Question: 2

Click the Exhibit button.



Which air distribution method is displayed in this picture?

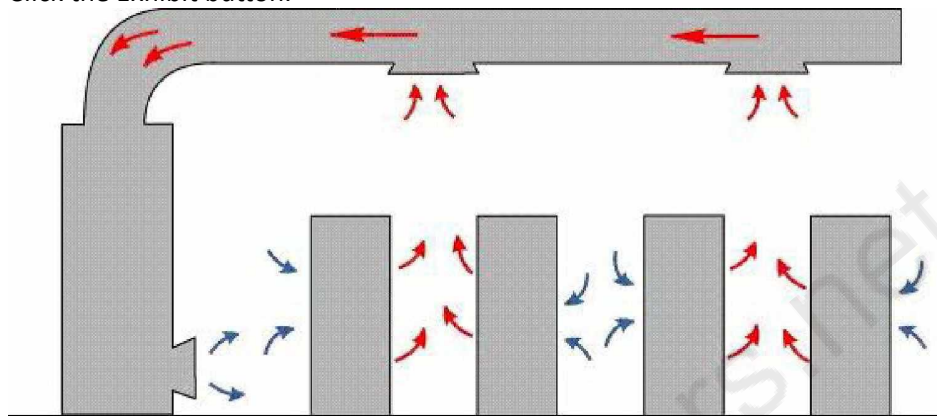
- A. Fully ducted supply, flooded return

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

Answer: A

Question: 3

Click the Exhibit button.



Which air distribution method is displayed in the exhibit?

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

Answer: A

Question: 4

What is the highest cost UPS configuration?

- A. System + system
- B. Parallel redundant
- C. Isolated redundant
- D. Distributed redundant

Answer: A

Question: 5

What is the difference between an undervoltage and a sag?

- A. A sag lasts less time than an undervoltage condition.
- B. A sag has less of a voltage drop than an undervoltage condition.
- C. A sag is due to downstream loads and undervoltage is due to the power source.
- D. A sag occurs in low voltage distribution and undervoltage occurs in high voltage distribution.

Answer: A

Question: 6

What is required for the transfer of heat from one object to another?

- A. A difference in airflow
- B. A difference in volume
- C. A difference in pressure
- D. A difference in temperature

Answer: D

Question: 7

What does the CFD acronym stand for?

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

Answer: D

Question: 8

The rear of an IT equipment rack is fitted with a duct that is connected to a drop ceiling plenum; the plenum is connected by a duct to the perimeter CRAC unit. The CRAC unit discharges air into a raised floor. The IT equipment rack is located above a hole in the raised floor which allows conditioned air to enter the rack. This is an example of which type of air distribution system?

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

D. Fully ducted supply, fully ducted return

Answer: D

Question: 9

Cooling towers are a typical component of which heat rejection system?

- A. Water cooled system
- B. Glycol cooled system
- C. Air cooled split system
- D. Air cooled self-contained system

Answer: A

Question: 10

Which type of humidification system uses quartz lamps extended over an open pool of water to release water vapor?

- A. Infrared humidifier
- B. Ultrasonic humidifier
- C. Electromagnetic humidifier
- D. Steam canister humidifier

Answer: A

Question: 11

What is an advantage of choosing a four-post open frame rack over a two-post open frame rack?

- A. Lower cost
- B. Smaller footprint
- C. Easier assembly
- D. Increased strength

Answer: D

Question: 12

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

Answer: D

Question: 13

An infrared scan of cabling can detect what two problems? (Choose two.)

- A. An overloaded circuit
- B. A loose connection
- C. Compatibility errors
- D. Electrical interference

Answer: A,B

Question: 14

What are three benefits of Inergen? (Choose three.)

- A. It is non-conductive.
- B. It has zero ozone depletion potential.
- C. It has a low pressure delivery system.
- D. It requires less storage tanks than Halon.
- E. It is safe to discharge in an occupied area.

Answer: A,B,E

Question: 15

What is a component of the network-critical physical infrastructure (NCPI)?

- A. Voice over IP
- B. Fire protection
- C. Office supplies
- D. Desktop application software

Answer: B

Question: 16

What is an example of a standard building management system (BMS) protocol?

- A. IPV6
- B. TCP/IP
- C. MODBUS
- D. 10/100 BASE-T

Answer: C

Question: 17

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

Answer: A

Question: 18

What would be a comprehensive strategy for protecting the most critical racks of a data center?

- A. Key access to the critical racks
- B. Video camera pointed directly at critical racks
- C. Iris scanner at the entrance to the data center
- D. Nested security perimeters with racks at the innermost level

Answer: D

Question: 19

What are three advantages of biometric access control? (Choose three.)

- A. Cannot be lost
- B. Inexpensive to deploy
- C. Difficult to fool the sensor
- D. Cannot be shared with others

E. Always correctly identifies the user

Answer: A,C,D

Question: 20

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

Answer: A

Question: 21

What describes the number of times AC current is switched back and forth over a period of 1 second?

- A. Voltage
- B. Frequency
- C. Amperage
- D. Power factor

Answer: B

Question: 22

What describes the ratio of watts to volt-amperes?

- A. Frequency
- B. Power factor
- C. Actual power
- D. Apparent power

Answer: B

Question: 23

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

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

Answer: A

Question: 24

What is the unit of measurement of the electrical current moving through a circuit?

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

Answer: B

Question: 25

What is the unit of measurement of the electrical resistance of a circuit?

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

Answer: C

Question: 26

Which statement correctly defines direct current (DC)?

- A. Only high voltage is used.
- B. Electricity flows in one direction only.
- C. The circuit does not have multiple paths.
- D. The circuit is directly attached to the power source.

Answer: B

Question: 27

What is the purpose of grounding?

- A. To protect against electric shock
- B. To step down 208 V power to 120 V power
- C. To maintain the voltage during neutral wire bonding
- D. To provide a path for the Ground Fault Interrupt (GFI) circuit

Answer: A

Question: 28

What is a difference between Single-phase and three-phase power?

- A. Single-phase power is flat but three-phase power is sinusoidal.
- B. Single-phase power is dependent on power factor but three-phase power is not.
- C. Single-phase power is limited to approximately 120 kW but three-phase power is unlimited.
- D. Single-phase power is more costly for the power company to distribute than three-phase power.

Answer: D

Question: 29

What does GFCI mean?

- A. Ground Fault Circuit Interrupter
- B. General Facilities Cooling Index
- C. Gaussian Filter Charge Indicator
- D. Grounded Flaw Circuitry Installed

Answer: A

Question: 30

What are three power distribution components found in data centers? (Choose three.)

- A. Ground loop
- B. Branch circuit
- C. Metered outlet strip
- D. Power distribution unit (PDU)
- E. Valve regulated lead acid (VRLA) battery

Answer: B,C,D

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