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NEW QUESTION: 1

What is the appropriate fire rating requirements for an ITE space?

- A. 1/2 hour
- B. 1 hour
- C. 2 hours
- D. 3 hours

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 2

Where is temperature typically measured in a data center HVAC system?

- A. At the server rack exhaust
- B. At the CRAC unit inlet
- C. At the server rack inlet
- D. At the CRAC unit exhaust

Answer: **B** [\(LEAVE A REPLY\)](#)

NEW QUESTION: 3

what additional fuel filtering is required for generators in class F3 and F4 facilities

- A. two-stage, spin-on-type fuel filters
- B. five stage, mesh type fuel filters
- C. three stage, spin-on-type fuel filters
- D. four stage, paper-type fuel filters

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 4

what are the dimensions of circulation pathways?

- A. 4 feet wide and have clear overhead of 8 feet

- B. 5 feet width with a height of 7feet.
- C. 6feet width, width depends on the layout functionality.
- D. None
- E. All

Answer: (SHOW ANSWER)

Explanation:

NEW QUESTION: 5

where should the vendor storage area be located?

- A. far away from loading dock
- B. offsite
- C. inside data center
- D. adjacent or near secured loading dock

Answer: D (LEAVE A REPLY)

NEW QUESTION: 6

what is the maximum recommended elevation for a data center

- A. 10,000 ft
- B. 5,000 ft
- C. 15,000 ft
- D. 1,000 ft

Answer: A (LEAVE A REPLY)

NEW QUESTION: 7

What kind of height clearance should data center access roads have?

- A. A Minimum clear road width with fourteen (14)ft high clearance throughout.
- B. A Minimum clear road width and sixteen (16) ft height clearance throughout.
- C. None Of The Above.
- D. A Minimum clear road width and six(06) ft height clearance throughout.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 8

What is the difference between N+1 and 2N redundancy?

- A. N+1 redundancy means that there is one additional backup component while 2N redundancy means that there are two identical backup components
- B. N+1 redundancy is more reliable than 2N redundancy
- C. N+1 redundancy is more flexible and adaptable to changing needs than 2N redundancy
- D. 2N redundancy is more cost-effective than N+1 redundancy

Answer: (SHOW ANSWER)

NEW QUESTION: 9

What is minimum recommended generator fuel storage amount?

- A. enough to run 48-72 hours at full load
- B. enough to run 4 to 16 hours at full load
- C. enough to run 24 to 36 hours at full load
- D. enough to run up-to a week at full load

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

How is the slab and all below grade components prepared in new construction?

- A. with a continuously sealed rubberized moisture barrier
- B. using standard concrete mix without any additives
- C. only with steel reinforcement bars
- D. with waterproof vinyl tiles

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

what is the recommended height, of the support room pathway

- A. 9 ft
- B. 8ft
- C. 7ft
- D. 6ft

Answer: A ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 12

What are the different generator ratings?

- A. Prime, Continuous and Standby
- B. Normal, Redundant and Fault-tolerant
- C. Standard, Backup and Emergency
- D. Primary, Secondary and Tertiary

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 13

What is the smoke development rating required for all materials hosted in a containment system?

- A. 600
- B. 150
- C. 300
- D. 450

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

Apart from marine cargo ports, hazardous material transport roadways, transportation roadways, and flight paths, what other things should a data centre be at least one mile away from?

- A. All of The Above
- B. Petroleum storage installations like petrol stations & oil storage facilities only.
- C. Waste-disposal units and dumpsites only.
- D. Fireworks manufacturing companies only.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 15

What is the minimum raised floor height?

- A. 6"
- B. 18"
- C. 12"
- D. 24"

Answer: B (LEAVE A REPLY)

NEW QUESTION: 16

What IBC occupancy category are data centers placed in if they don't have to operate after an earthquake?

- A. Category 4
- B. Category3
- C. Category1
- D. Category2

Answer: (SHOW ANSWER)

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NEW QUESTION: 17

What is the low temperature that must be maintained in a data center according to NEB standards?

- A. 60 degrees
- B. 65 degrees

- C. 70 degrees
- D. 55 degrees
- E. 75 degrees

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 18

What is the minimum size conductor from the TMGB to the building main ground bus?

- A. 200mm (400MCM) bare copper
- B. 160mm (300MCM) bare copper
- C. 80mm (150MCM) bare copper
- D. 130mm (250MCM) bare copper
- E. 100mm (200MCM) bare copper

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 19

What is the benefit to locating the power distribution unit supporting equipment outside the computer room

- A. maintenance. activities are not taking place inside critical computer roomspace
- B. Allows for easier access by IT staff during maintenance tasks
- C. Enables greater energy efficiency
- D. None of the above

Answer: ([SHOW ANSWER](#))

Explanation:

NEW QUESTION: 20

Which areas should generate a history of all access attempts and monitored by CCTV Security System?

- A. Storage Areas
- B. Computer rooms, Loading docks, storage areas, Staging areas and Vendor Storage
- C. Any concealed places
- D. Only computer rooms
- E. Loading Docks

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

Apart from Power usage effectiveness or P U E, and Data center infrastructure Efficiency Or D C i E, what other standardized measurements are there for data center efficiency?

- A. None of The Above.
- B. Return temperature index.
- C. Energy efficiency Ratio.
- D. All of the above

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 22

What 3 standards books should be followed for data center grounding and bonding?

- A. TIA 942, TIA 607 and IEEE 1100
- B. UL 467, UL 96A and NFPA 70
- C. TIA 568, ANSI/TIA-606-B and TIA 568-C.1
- D. ASHRAE Standard 90.1, ASHRAE Standard 62.1 and ASHRAE Standard 55

Answer: A ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 23

What is the formula for reliability?

- A. $R = T/e$
- B. $R = \log(T)$
- C. $R = e^{-T}$
- D. $R = e^T$

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 24

What is the flame index spread rating required for all materials hosted in a containment system?

- A. 25
- B. 10
- C. 0
- D. 50

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 25

What is the difference between a raised floor and a solid floor?

- A. Raised floor is cheaper and easier to install
- B. Raised floor allows for better airflow and cable management
- C. Solid floor is more flexible and adaptable to changing needs
- D. Solid floor allows for better cooling efficiency and higher load capacity

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 26

where is the storage room located?

- A. All
- B. outermost point of Data Centre
- C. next door to computing area

D. Near Backup Generator

E. away from computer room, adjacent to equipment entrance at data center

Answer: E ([LEAVE A REPLY](#))

NEW QUESTION: 27

What are the steps involved in a security survey and analysis?

A. All of the above

B. Identify potential vulnerabilities

C. Assess security controls and countermeasures

D. Evaluate environmental factors

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

What is the appropriate fire rating requirements for an electrical room?

A. 3 hours

B. 1/2 hour

C. 1 hour

D. 2 hours

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 29

What is the recommended height of a ceiling in a data center or telecommunications room?

A. 012 ft

B. 1120151

C. 1112ft

D. 1015ft(correct)

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 30

What is the acceptable dew point level in a data center according to TIA-942?

A. 65 degrees

B. 75 degrees

C. 60 degrees

D. 80 degrees

E. 69.8 degrees

Answer: E ([LEAVE A REPLY](#))

NEW QUESTION: 31

what is the ASHRAE maximum relative humidity recommended.

A. 45%

- B. 55%
- C. 50%
- D. 60%

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 32

What IBC occupancy category are data centers placed in?

- A. Category5
- B. Category 4
- C. category6
- D. Category 3

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 33

How often is there typically a technology refresh in a data center?

- A. There is no typical refresh cycle
- B. Every 1-2 years
- C. Every 7-10 years
- D. Every 3-5 years

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

what is the ANSI/TIA-942 typical range of pressure differential regarding positive pressure for data center.

- A. Less Than -4,+4 inches water column(-1000 opa ,+100 <pa>)
- B. More than +3in wc (>746Pa),but less than or equaltto+6,in wc(1492 pa))
- C. Less than or equal to -0,1 in water column (-25 Pa)
- D. More than -0,005 in wc (< -1,24 Pa), but less than or equal to +0,05in wc (+12,4 Pa)

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

Where should telecom cabling be routed under an access floor?

- A. Above the access floor
- B. In the office area
- C. In the cold aisle
- D. In the equipment room
- E. In the plenum space

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 36

What is the highest allowable elevation for a data center site?

- A. 7,500 ft
- B. 2,500 ft
- C. 5,000 ft
- D. 10,000 ft
- E. 12,500 ft

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 37

What is the recommended front of rack aisle width?

- A. 3 feet
- B. 5 feet
- C. 2 feet
- D. 4 feet

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

What are two functions of telecommunications entrance room?

- A. to provide a secure area where access provider outdoor cable can be converted, to indoor cable, and, house access provider owned equipment
- B. to house all company-wide communication devices
- C. to store backup telecommunication devices
- D. none of these

Answer: A ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 39

what are the two rooms that may require 2 exits?

- A. the electrical Room and battery room
- B. Equipment Room and Security Rooms
- C. Mechanical Room and Electrical
- D. Computing rooms And Storage rooms
- E. Water Supply Rooms

Answer: A ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 40

why does the entrance room designer need to meet with each anticipated access provider?

- A. To determine their electrical, space, interface, and other facility requirements
- B. As an alternative approach to save cost
- C. To know about hardware requirement only
- D. none of above

Answer: ([SHOW ANSWER](#))

Explanation:

NEW QUESTION: 41

What is the difference between a single bus and a dual bus power distribution system?

- A. Single bus has only one power source while dual bus has two independent power sources
- B. Single bus is more flexible and adaptable to changing needs than dual bus
- C. Single bus is more reliable than dual bus
- D. Dual bus is more cost-effective than single bus

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 42

What is the recommended amount of fuel supply to be available to a class F4 data center?

- A. 72 hours
- B. 96 hours
- C. 24 hours
- D. 48 hours

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

What is the high temperature that must be maintained in a data center according to TIA-942?

- A. 85 degrees
- B. 70 degrees
- C. 80 degrees
- D. 75 degrees
- E. 77 degrees

Answer: E ([LEAVE A REPLY](#))

NEW QUESTION: 44

What is the minimum required headroom for overhead cable tray?

- A. 6"
- B. 3"
- C. 12"
- D. 9"

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 45

what can take up to 40 percent of overall space in the equipment area?

- A. circulation and support equipment
- B. principal loads
- C. computer
- D. electrical equipments
- E. redistribution systems
- F. all of above

Answer: A ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 46

where should printers be located

- A. in a dedicated print room with dedicated air handling system
- B. beside high traffic areas
- C. near equipment that has active air flow to cool them down
- D. placed outdoor, away from building facilities

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 47

What's the maximum number of racks in an aisle if one end has no exit?

- A. 5 racks
- B. It doesn't matter
- C. 15 Racks
- D. 10 racks

Answer: D (LEAVE A REPLY)

NEW QUESTION: 48

What is the acceptable rate of temperature change per hour in a data center according to TIA-942?

- A. 7 degrees
- B. 9 degrees
- C. 12 degrees
- D. 15 degrees
- E. 5 degrees

Answer: B (LEAVE A REPLY)

NEW QUESTION: 49

What Enhanced Fujita Scale level is commonly used in wind loading calculations?

- A. EF4,207-260 mph
- B. EF1,73-112 mph
- C. EF3,158-206mph
- D. EF2,113-157mph

Answer: A (LEAVE A REPLY)

NEW QUESTION: 50

What is the ASHRAE min and max dew point

- A. -10°F to +85°F
- B. 42F and 65F
- C. 30F and 59F
- D. 40F and 55F

Answer: B (LEAVE A REPLY)

NEW QUESTION: 51

what are the dead loads of a structure?

- A. Dynamic loads due to external forces like suction winds and rain
- B. Loads due to snow, wash
- C. Temperature fluctuations leading to expansion and contraction
- D. Static loads due to force of gravity on fixed building elements (correct)

Answer: D (LEAVE A REPLY)

NEW QUESTION: 52

What is the difference between a hard-wired and a plug-in UPS?

- A. Hard-wired UPS is more reliable than plug-in UPS
- B. Hard-wired UPS is permanently connected to the electrical system while plug-in UPS can be easily connected and disconnected

- C. Hard-wired UPS is more efficient in terms of power delivery than plug-in UPS
- D. Plug-in UPS is more cost-effective than hard-wired UPS

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

What are the equipment clearance/access requirements when designing the door openings and loading dock areas for a data center?

Answer:

Clearance requirements of 10' L x 4' W x 8' H and 7500 pounds

NEW QUESTION: 54

What are the 3 different methods for grounding racks in a computer room?

- A. Ground bus, direct connections, bond to rack
- B. Ground conductor, surge protection, equipment rack
- C. Copper cable, conduit, flexible connector
- D. AC power, DC power, Ethernet

Answer: A ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 55

According to NEB, what is the recommended range for the low temperature in a data center?

- A. 60 degrees
- B. 70 degrees
- C. 65 degrees
- D. 75 degrees
- E. 55 degrees

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 56

What room should have direct access to the computer room?

- A. Break room
- B. Administrative office
- C. Network Operations Center (NOC)
- D. Server room

Answer: C ([LEAVE A REPLY](#))

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