



# **BICSI**

## **Exam Questions DCDC-002**

BICSI Data Center Design Consultant - DCDC

## About ExamBible

*[Your Partner of IT Exam](#)*

## Found in 1998

ExamBible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, ExamBible has its unique advantages that other companies could not achieve.

## Our Advances

### \* 99.9% Uptime

All examinations will be up to date.

### \* 24/7 Quality Support

We will provide service round the clock.

### \* 100% Pass Rate

Our guarantee that you will pass the exam.

### \* Unique Gurantee

If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

#### NEW QUESTION 1

What is the recommended amount of fuel supply to be available to a class F0 data center?

- A. 12 hours
- B. 24 hours
- C. 48 hours
- D. None - No requirements

**Answer:** D

#### NEW QUESTION 2

Which network topology uses the least amount of cabling?

- A. Star
- B. Mesh
- C. Bus
- D. Top of Rack

**Answer:** D

#### NEW QUESTION 3

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:** A

#### NEW QUESTION 4

How many air changes an hour inside an equipment room?

- A. 0.25
- B. 0.50
- C. 1.00
- D. 1.50
- E. 2.00

**Answer:** A

#### NEW QUESTION 5

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

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

**Answer:** E

#### NEW QUESTION 6

What are the recommended computer room delivery pathway dimensions

- A. 10 feet long by 4 feet deep by 8 feet high
- B. 20 feet long by 6 feet deep by 10 feet high
- C. 15 feet long by 5 feet deep by 7 feet high
- D. 14 feet long and has a depth dependent on rack layout.

**Answer:** A

#### NEW QUESTION 7

What is the recommended fire suppression system for a data center?

- A. Water-based
- B. Gas-based
- C. Foam-based
- D. Powder-based
- E. None of the above

**Answer:** B

#### NEW QUESTION 8

Where should power cable be ran in an access floor?

- A. Hot aisle
- B. Cold aisle
- C. Above the access floor
- D. Below the access floor

**Answer:** B

#### NEW QUESTION 9

What is the recommended clearance space required for hot and cold aisles in a data center?

- A. 1-2 feet
- B. 3-4 feet
- C. 5-6 feet
- D. 7-8 feet

**Answer:** B

#### NEW QUESTION 10

What is the third preference regarding electricity supply?

- A. At Least Two Circuits From Same Power Grid But Different Substations And Separate Paths
- B. One Balanced Feeder Coordinated With Upstream Backup Feed
- C. One Circuit From Single Sub Station Fed Via Additional Path from Alternate Power Grid
- D. Two Balanced Feeds With Same Voltage Derived From A Single Distribution Station

**Answer:** A

#### NEW QUESTION 10

What is the formula for reliability of components in parallel?

- A.  $R = RA1 + RA2$
- B.  $R = RA1 - RA2$
- C.  $R = RA1 / RA2$
- D.  $R = 1 - ([1 - RA1] * [1 - RA2])$

**Answer:** D

#### NEW QUESTION 12

what is the second preference regarding utility service

- A. At least four circuits each from different distribution stations but fed via common feeders
- B. Two balanced feeds with different voltages derived from a single distribution station
- C. One balanced feeder coordinated with upstream backup feed
- D. At least One Circuit from two Separate Substations and Different Voltage Levels

**Answer:** B

#### NEW QUESTION 14

What are the 2 minimum thicknesses of regular floor slabs?

- A. 4 inches and 6 inches
- B. 6 inches and 8 inches
- C. 8 inches and 10 inches
- D. 10 inches and 12 inches

**Answer:** B

#### NEW QUESTION 16

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

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

**Answer:** C

#### NEW QUESTION 21

what is the recommended height, of the support room pathway

- A. 9 ft

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

**Answer:** A

#### NEW QUESTION 23

What is the clearance required between the cold aisle and the CRAC unit?

- A. 2 feet
- B. 4 feet
- C. 6 feet
- D. 8 feet

**Answer:** D

#### NEW QUESTION 24

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

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

**Answer:** A

#### NEW QUESTION 25

What is the recommended floor loading capacity for a data center?

- A. 1000 lbs per s
- B. ft.
- C. 1250 lbs per s
- D. ft.
- E. 1500 lbs per s
- F. ft.
- G. 1750 lbs per s
- H. ft.
- I. 2000 lbs per s
- J. ft.

**Answer:** C

#### NEW QUESTION 26

What is the recommended humidity range for a data center?

- A. 20-30%
- B. 30-40%
- C. 40-50%
- D. 50-60%
- E. 60-70%

**Answer:** C

#### NEW QUESTION 31

where is the storage room located?

- A. away from computer room, adjacent to equipment entrance at data center
- B. next door to computing area
- C. outermost point of Data Centre
- D. Near Backup Generator
- E. All

**Answer:** A

#### NEW QUESTION 36

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. 2N redundancy is more cost-effective than N+1 redundancy
- D. N+1 redundancy is more flexible and adaptable to changing needs than 2N redundancy

**Answer:** A

#### NEW QUESTION 41

What are the different generator ratings?

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

**Answer:** B

#### NEW QUESTION 44

CORRECT TEXT

what is the hydrogen maximum for a data center?

- A .1 % of total room volume
- B .15%of total room volume
- C .20%of total room volume

A. None Of These answers

**Answer:** A

#### NEW QUESTION 49

when is a battery room required to have electrolyte spill containment and exhaust systems?

- A. when using Lithium batteries
- B. when using Nickel Cadmium batteries
- C. when using Sealed lead-acid-batteries
- D. when the batteries contain liquid, free-flowing electrolyte
- E. All of Above

**Answer:** D

#### NEW QUESTION 52

What three things limit the amount of IT equipment per rack?

- A. power constraints, cooling constraints and lastly, rack space
- B. fire suppression system technology, humidity levels, and network speed
- C. sustainability goals, partitioning requirements, and compliance mandates
- D. staffing availability, security measures, and access points

**Answer:** A

#### NEW QUESTION 55

What is a possible downside to customer-owned maintenance holes?

- A. fire risk near data center property
- B. susceptibility to theft or damage by unauthorized personnel
- C. poor aesthetic appearance around facility exterior
- D. leaks leading to water infiltration into data center

**Answer:** D

#### NEW QUESTION 60

What is the most common type of automatic transfer switch?

- A. Closed transition
- B. Open transition
- C. Delayed transition
- D. Soft load transition

**Answer:** B

#### NEW QUESTION 65

what is another main function of the entrance room?

- A. to house the telecommunications main grounding busbar
- B. to store backup telecommunication devices
- C. as a dedicated location outside building
- D. None of these

**Answer:** A

#### NEW QUESTION 68

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

- A. 10

- B. 25
- C. 50

**Answer:** D

#### NEW QUESTION 72

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

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

**Answer:** C

#### NEW QUESTION 73

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

- A. 60 degrees
- B. 65 degrees
- C. 69.8 degrees
- D. 75 degrees
- E. 80 degrees

**Answer:** C

#### NEW QUESTION 76

Why do larger data centers require more H DAs?

- A. to ensure maximum horizontal cable lengths are not exceeded and to avoid cable congestion
- B. to reduce energy consumption and carbon footprint
- C. to increase server processing speed by minimizing latency
- D. to provide redundancy and failover mechanisms

**Answer:** A

#### NEW QUESTION 78

According to TIA-942, what is the low temperature that must be maintained in a data center?

- A. 60 degrees
- B. 65 degrees
- C. 68 degrees
- D. 70 degrees
- E. 75 degrees

**Answer:** C

#### NEW QUESTION 79

What is the appropriate fire rating requirements for a command center?

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

**Answer:** B

#### NEW QUESTION 83

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

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

**Answer:** C

#### NEW QUESTION 86

what is minimum recommended space for secured storage area?

- A. 100 square feet B 240 square feet
- B. 250 square feet
- C. 280 square feet

D. None of above

**Answer:** C

#### NEW QUESTION 91

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

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

**Answer:** D

#### NEW QUESTION 95

What is the ASHRAE TC 9.9 recommended range for humidity levels in a data center?

- A. 20-50%
- B. 40-60%
- C. 60-80%
- D. 80-100%

**Answer:** B

#### NEW QUESTION 98

Where should telecom cabling be routed under an access floor?

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

**Answer:** A

#### NEW QUESTION 103

What is the difference between a hot aisle and a cold aisle containment system?

- A. Hot aisle containment system encloses the hot aisle to prevent mixing with the cold air while cold aisle containment system encloses the cold aisle to prevent mixing with the hot air
- B. Hot aisle containment system is more efficient in terms of cooling than cold aisle containment system
- C. Cold aisle containment system is more cost-effective than hot aisle containment system
- D. Hot aisle containment system is more flexible and adaptable to changing needs than cold aisle containment system

**Answer:** A

#### NEW QUESTION 104

How do you calculate thermal load in a data center?

- A. IT Thermal Output + Cooling System
- B. IT Thermal Output + Lighting System
- C. IT Thermal Output + PDU System
- D. IT Thermal Output + Cooling System + Lighting System
- E. IT Thermal Output + Cooling System + Lighting System + PDU System

**Answer:** E

#### NEW QUESTION 106

What is the minimum sized conductor from the rebar mat foundation to the mesh bonding network?

- A. 4 AWG
- B. 2 AWG
- C. 6 AWG
- D. 8 AWG

**Answer:** A

#### NEW QUESTION 111

What is the Typical Voltage Of A Utility Sub-Station?

- A. Low voltage at 480 or less volts
- B. Medium to Low-voltage range between 270 to13800 volts
- C. High voltage at a stunningly high rate
- D. The United States uses only Direct Currents DC



**Answer:** B

**NEW QUESTION 114**

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

**NEW QUESTION 116**

What is the minimum raised floor height?

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

**Answer:** C

**NEW QUESTION 118**

what is the minimum thickness of an elevated floor topping over metal flutes?

- A. 2 inchmhes
- B. 3 Inches
- C. 4 Inches
- D. 1,5 Inchess

**Answer:** C

**NEW QUESTION 122**

Where should the entrance room be located within a data center?

- A. In the computer room
- B. In a separate building on the campus
- C. Adjacent to or in a secured space within the computer room
- D. Anywhere with easy access to the outside

**Answer:** C

**NEW QUESTION 124**

What types of electrical equipment is typically located inside the computer room

- A. power distribution units, not power distribution equipment, remote power panels, and power strips
- B. transformers only
- C. Uninterrupted Power Supply (UPS) only
- D. Circuit Breakers only

**Answer:** A

**NEW QUESTION 128**

What is the minimum required headroom for overhead cable tray?

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

**Answer:** B

**NEW QUESTION 129**

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:** A

#### NEW QUESTION 130

What is the NEBS GR-3028-CORE recommended operational temperature.

- A. -25??F to +125??F (-32??C to +52??C)
- B. -30??F to +110??F (-34??C to +43??C)
- C. -20??F/-28?? C minimum and up to a maximum of 104 ?? Fahrenheit/40?? Celsius
- D. Up To 140 Degrees Fahrenheit /60 Degrees Celsius

**Answer:** C

#### NEW QUESTION 131

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

#### NEW QUESTION 134

What is minimum recommended generator fuel storage amount?

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

**Answer:** C

#### NEW QUESTION 137

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

- A. Evaluate environmental factors
- B. Identify potential vulnerabilities
- C. Assess security controls and countermeasures
- D. All of the above

**Answer:** D

#### NEW QUESTION 140

What is the recommendation regarding row length?

- A. Do not exceed 20 racks in length and dead-end rows not to exceed ten racks long
- B. Maximum twenty-five racks in each row only
- C. Ten Racks in Length
- D. None
- E. All

**Answer:** A

#### NEW QUESTION 141

what is the best practice performance metric to gauge thermal compliance for ASHRAE and NEBS for a given data center

- A. Temperature-Humidity Index (THI)
- B. Airflow Efficiency Ratio (AFER)
- C. Power Usage Effectiveness (PUE)
- D. Computational Fluid Dynamics (CFD) modeling

**Answer:** D

#### NEW QUESTION 145

What is the maximum recommended number of racks in an aisle?

- A. 20 racks
- B. 10 racks
- C. 30 racks
- D. 40 racks

**Answer:** A

#### NEW QUESTION 150

What is the minimum aisle width?

- A. 3 feet

- B. The width shouldn't exceed more than half room length
- C. Arm span distance between technicians
- D. Twice server cabinet depth

**Answer:** A

#### NEW QUESTION 154

What is the recommended range of temperature for a data center?

- A. 18-22??C (64-72??F)
- B. 20-24??C (68-75??F)
- C. 22-26??C (72-79??F)
- D. 24-28??C (75-82??F)
- E. 26-30??C (79-86??F)

**Answer:** B

#### NEW QUESTION 156

What room should have its own dedicated air handling system apart from the computer room?

- A. Electrical Room
- B. Break Room
- C. Printer Room
- D. Storage Room
- E. Telecommunications Room

**Answer:** C

#### NEW QUESTION 157

What is the appropriate fire rating requirements for a critical media storage room?

- A. 1 hour
- B. 2 hours
- C. 3 hours
- D. 4 hours

**Answer:** B

#### NEW QUESTION 158

What room should have direct access to the computer room?

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

**Answer:** C

#### NEW QUESTION 161

What is the recommended range for the high temperature in a data center according to NEB?

- A. 80 degrees
- B. 75 degrees
- C. 85 degrees
- D. 70 degrees
- E. 90 degrees

**Answer:** A

#### NEW QUESTION 162

where should engineering offices be located?

- A. adjacent to equipment rooms they support
- B. in a separate building
- C. far away from the data center
- D. inside computer room

**Answer:** A

#### NEW QUESTION 164

What are main concepts in choosing location of the entrance room?

- A. If possible, it should be very close, and, in the computer room distance limitations for T1,T3,E1,and E3 circuits,
- B. Should not be near to Data Center
- C. Dedicated location outside building

D. All of these

**Answer:** A

#### NEW QUESTION 166

What is the ASHRAE min and max dew point

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

**Answer:** B

#### NEW QUESTION 170

What is the clearance required for the hot aisle width?

- A. 2 ft
- B. 4 ft
- C. 6 ft
- D. 8 ft

**Answer:** B

#### NEW QUESTION 173

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

- A. 012 ft
- B. 1015ft(correct)
- C. 1112ft
- D. 1120151

**Answer:** B

#### NEW QUESTION 174

.....

## Relate Links

**100% Pass Your DCDC-002 Exam with ExamBible Prep Materials**

<https://www.exambible.com/DCDC-002-exam/>

## Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - <https://www.exambible.com/>