

Exam Name - Data Centre Expert Certification (DCEC)[™]

Sample Exam

1. What does “N+1 redundancy” mean for UPS systems?

- A. One extra unit for every N units
- B. One unit shared among N+1 units
- C. UPS capacity is N, with one less for backup
- D. Infinite scalability beyond N units

Answer **A**

2. Which component distributes electrical power to individual racks?

- A. Main switchgear
- B. Power Distribution Unit (PDU)
- C. MV Transformer
- D. Busbar trunking

Answer **B**

3. Why is load balancing important in power systems?

- A. Reduces system latency
- B. Prevents overload on circuits
- C. Boosts UPS runtime
- D. Simplifies cabling layout

Answer **B**

4. How does electrical grounding benefit a data centre?

- A. Enhances aesthetics
- B. Safely dissipates fault currents
- C. Increases processing speed
- D. Balances voltage levels

Answer **B**

5. What is the concept of UPS “rightsizing”?

- A. Installing UPS based on physical size
- B. Matching UPS capacity to actual load
- C. Providing UPS only for critical loads
- D. Using modular UPS of uniform brand

Answer **B**

6. What are the primary factors for raised-floor cooling?

- A. Surface-open area, under-floor pressure, damper design, and obstructions
- B. Humidity, tile temperature, pressure, and material
- C. Cold air temperature, tile color, humidity, and slope
- D. Cold air delta-T, tile color, moisture control, and pressure

Answer **A**