

# CRU Practice Test Questions and Answers

**1. What is the primary function of a Central Relay Unit (CRU) in railway signaling systems?**

- A) Converting AC power to DC power for train operations
- B) Processing and routing signaling information between control centers and field devices
- C) Providing mechanical switching for track points
- D) Monitoring train wheel temperature sensors

**2. In CRU systems, what is the typical response time requirement for critical safety functions?**

- A) Less than 100 milliseconds
- B) Less than 500 milliseconds
- C) Less than 1 second
- D) Less than 5 seconds

**3. What type of communication protocol is most commonly used in modern CRU installations?**

- A) RS-232 serial communication
- B) Ethernet-based IP networks
- C) Analog 4-20mA current loops
- D) Wireless radio frequency transmission

**4. What is the standard backup power requirement for CRU systems during primary power failure?**

- A) 30 minutes minimum operation
- B) 2 hours minimum operation
- C) 8 hours minimum operation
- D) 24 hours minimum operation

Answers: 1-B 2-A 3-B 4-C

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