

Easy

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With reference to SCADA (Supervisory Control and Data Acquisition) systems: 1. SCADA provides a Graphical User Interface (GUI) for monitoring industrial processes. 2.

A**1 and 2 only****Correct****B****2 and 3 only****C****1 only****D****1, 2 and 3**

Correct Answer: A

Full Detailed Explanation

Correct Answer: A - 1 and 2 only Quick Concept Explanation SCADA supervises distributed/industrial processes by acquiring data, presenting graphics, alarming, logging and trending. Fast deterministic local interlocking/control is normally executed in PLCs/RTUs, while SCADA coordinates and supervises at a higher level. Key relation: Typical hierarchy: sensors/actuators PLC/RTU SCADA/HMI.Exam focus: SCADA supervises; PLC performs fast local logic. Common trap: Do not replace PLC safety/interlock logic with a SCADA screen. Statement-wise Verification Statement 1 - Correct.SCADA provides a Graphical User Interface (GUI) for monitoring industrial processes.SCADA supervises distributed/industrial processes by acquiring data, presenting graphics, alarming, logging and trending. Statement 2 - Correct.It is used for real-time data logging and historical trending.SCADA supervises distributed/industrial processes by acquiring data, presenting graphics, alarming, logging and trending. Statement 3 - Incorrect.SCADA directly performs high-speed local logic control, replacing the PLC.Fast local sequencing/interlocking is normally performed by PLCs/RTUs; SCADA supervises and logs Core Concept SCADA supervises distributed/industrial processes by acquiring data, presenting graphics, alarming, logging and trending. Fast deterministic local interlocking/control is