

## Quiz 09

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**1. When an automatic unattended boiler starts up, the program timer will first:**

- a. energize the ignition transformer and pilot gas solenoid valve
- b. start the post purge period
- c. start the force draft fan
- d. energize the main gas valve
- e. energize the main feed water valve

**2. The common standard control modes for a plant control system are:**

- a. integral and derivative
- b. proportional and reset
- c. proportional, reset, and integral
- d. reset, integral, and rate
- e. derivative, proportional, and integral

**3. The main function of a mainframe computer system is to:**

- a. evaluate systems by comparison
- b. rapidly process large amounts of data
- c. perform only a specific dedicated task
- d. produce "hypothetical" solutions to problems
- e. act as a networking switch

**4. Transmitters which transmit digital codes directly to a computer are known as:**

- a. digital transmitters
- b. smart transmitters
- c. analog transmitters
- d. pneumatic transmitters
- e. AND-OR devices

**5. In an automatic control system the controller output is manipulated by:**

- a. transmitter
- b. sensing element
- c. recorder
- d. control valve
- e. Thermocouple

**Quiz 09 Answers:**

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**1 = c, 2 = e, 3 = b, 4 = b, 5 = b**