

IC35 - Pre-Instructional Survey

Name: _____ Date: _____

Match with the correct answer(s) by writing in the appropriate number(s) from the potential answers. [some have multiple answers]

- A. A very close analogy of digital communications of a “data highway.” _____
- B. Advantages of modularity inherent in a distributed control system.

- C. A Wireless Ethernet Standard. _____
- D. Two low speed communications standards. _____
- E. Two justifications of redundancy. _____
- F. Needed to match thermocouples and flow signals to controllers. _____
- G. Replacing CRT in many installations. _____
- H. Configuring differs from programming. _____
- I. Installation costs of a distributed control system. _____
- J. Video screen in a control room. _____
- K. An overview display. _____
- L. A group display. _____
- M. A detail or point display. _____
- N. Methods of network communication. _____
- O. Network Topologies. _____
- P. Supervisory computer. _____
- Q. Direct digital control computer. _____
- R. Driver package. _____

- S. Operator input devices. _____
- T. Memory storage media. _____
- U. Hard copy devices. _____
- V. Communication checking. _____
- W. Meaning of LAN. _____
- X. Message formats. _____
- Y. Some functions of a Management Information System (MIS).

- Z. Types of physical highways. _____

Potential Answers:

1. Ring network
2. Operates set point of controller
3. Mouse
4. Can be 1/3 to 1/10 that of analog systems
5. Printer
6. LCD
7. CRC
8. Local area network
9. floppy disk
10. traffic director
11. Digital to analog
12. Can provide more information with less data clutter
13. Keypad
14. RS232
15. Chart recorder
16. Multidrop
17. Parity
18. A view of general conditions of many loops, usually showing deviations from normal and alarms
19. Tape drive
20. Must be linearized
21. Operates the signals to the valves and final elements
22. Brings data to operator, rather than operator going to data
23. Track ball
24. RS422
25. Allows expansion in smaller increments, saving initial investment
26. Star connected
27. Checksum
28. A view analogous to walking up to panel board instruments to operate process
29. Digital Versatile Disc
30. Telegraph system
31. used to communicate between two unlike digital devices (as between two different computers)
32. DDCMP
33. Light pen
34. Greater computational speed (performance)
35. Allows distribution of functions to share risk
36. Management reports
37. Safety of personnel, equipment or environment
38. Analogous to sliding instrument from rack or panel to adjust parameters and alarm limits
39. Disk-on-key
40. CSMA-CD
41. ASCII

42. Shift reports
43. Touch screen
44. More memory
45. Reduces spare parts inventory
46. Fiber optic
47. Cost of product loss in a failure
48. HDLC
49. Twisted pair
50. Token passing
51. Coaxial
52. Batch tickets
53. SLDC
54. By using simple menu entries
55. Video copier
56. IEEE 802.11b
57. Ethernet
58. PROFIBUS
59. Memory Stick
60. FOUNDATION Fieldbus

[Only five answers are not used]