



## FOUNDATION Fieldbus Self-Assessment Quiz for Device Integration Workshop

- 1) **How can blocks be categorized?**
  - a) Resource, Transducer, Function
  - b) Standard, Enhanced, Custom
  - c) Basic, Advanced, Complex
  - d) a) & b)
  - e) a) & c)
- 2) **What block must every device have one, and only one, of?**
  - a) Analog Input
  - b) PID
  - c) Resource
  - d) Positioner
- 3) **Which listed below is not a mode used by Blocks?**
  - a) Stalled
  - b) Local Override
  - c) Automatic
  - d) Remote Cascade
  - e) Out of Service
- 4) **Which is not a standard block?**
  - a) Analog In
  - b) Output Splitter
  - c) Mathematic
  - d) Multiple Analog Input
- 5) **What is an enhanced block?**
  - a) A block based on a standard block, but with added parameters
  - b) A block based on a standard block, but with changed parameters – both added and removed
  - c) A block fully defined by the vendor
  - d) A block that is the combination of two standard blocks
- 6) **What are the tokenized file extensions for DD4 and DD5 profile?**
  - a) \*.bin, \*.bi5
  - b) \*.sym, \*.sy5
  - c) \*.ffo, \*.ff5
  - d) a) & b)
  - e) b) & c)
  - f) a) & c)
- 7) **What are Views?**
  - a) A grouping of output parameters.
  - b) A grouping of parameters that can be accessed with a single request across the bus.
  - c) A set of parameters that dynamically change with device operation.
  - d) A window into contained parameters on the device
- 8) **What parameters have status?**
  - a) Input and Contained parameters
  - b) Output and Contained parameters
  - c) Input and Output parameters
  - d) All parameters
- 9) **How are parameters organized and stored on the device?**
  - a) At defined locations, identical from device to device
  - b) By block, Alphabetically
  - c) By datatype
  - d) By block, within the Object Dictionary
- 10) **Which of the following is not a universal parameter?**
  - a) MODE\_BLK
  - b) BLK\_ERROR
  - c) ST\_REV
  - d) TEST\_RW
  - e) STRATEGY
- 11) **Which defines the communication paths between blocks?**
  - a) Link Objects
  - b) Multivariable Containers
  - c) Action Objects
  - d) Domain Objects
- 12) **Which is not a model of communication supported by the Foundation Fieldbus protocol?**
  - a) Report Distribution
  - b) Master-Slave
  - c) Client-Server
  - d) Publisher-Subscriber

Answers: 1)d; 2)c; 3)a; 4)c; 5)a; 6)e; 7)b; 8)c; 9)d; 10)d; 11)a; 12)b