

IC55C - Pre-Instructional Survey

Name: _____ Date: _____

1. The ANSI/ISA95.00.01-2000 standard:
 - a. Forces users to abandon their current way of handling integration.
 - b. Does not emphasize good practices for the integration of systems.
 - c. Can only be applied to automated systems.
 - d. Applies to all types of manufacturing.

2. Define the four resource elements that are the basis for all exchanged information.
 - a. _____
 - b. _____
 - c. _____
 - d. _____

3. A function is included in the control domain if (check all that apply):
 - a. It is critical to maintaining regulatory compliance.
 - b. It impacts the design and construction of a facility.
 - c. It impacts the operational phase of the facilities life.
 - d. It is critical to plant reliability.

4. Identify the following activities as being defined in Level 4 or Level 3 of the activity hierarchy.
 - a. A level ____ activity is developing optimum preventive maintenance and equipment renovation schedules in coordination with the basic production schedule.
 - b. A level ____ activity is collecting and maintaining area data on production, inventory, manpower, raw materials, spare parts and energy usage.
 - c. A level ____ activity is modifying production schedules to compensate for plant production interruptions that may occur in its area of responsibility.
 - d. A level ____ activity is modifying the basic production schedule as necessary whenever major production interruptions occur.

5. Match the names given to the major types of information associated with enterprise/control integration with its description.
- | | |
|---------------------------|---|
| a. Production Capability | 1. ___ What must be defined to make a product |
| b. Process Specifications | 2. ___ What is to be made and used |
| c. Product Definition | 3. ___ What resources are available |
| d. Production Scheduling | 4. ___ What was made and used |
| e. Production Information | 5. ___ What can be done with the resources |
6. The bill of materials contains the breakdown of where the materials are used or when they are needed.
- a. TRUE
b. FALSE
7. The bill of resources is the list of all resources required to produce a product. It includes materials, personnel, equipment, and consumables.
- a. TRUE
b. FALSE
8. Place a check mark next to each type of capability defined in ANSI/ISA95.00.01-2000.
- a. Committed capability
b. Used capability
c. Unavailable capability
d. Unattainable capability
e. Available capability
f. Free capability
g. Current capability
9. Match the names given to the three major types of tests with the corresponding resource model:
- | | |
|--------------------|--|
| a. Personnel Model | 1. ___ QA Test Specification |
| b. Equipment Model | 2. ___ Qualification Test Specification |
| c. Material Model | 3. ___ Equipment Capability Test Specification |

10. The bill of materials is part of the exchanged information model.
 - a. TRUE
 - b. FALSE

11. There may be more than one production response for a production request.
 - a. TRUE
 - b. FALSE

12. There is at least one segment requirement in a production request
 - a. TRUE
 - b. FALSE

IC55C-Pre-Instructional Survey Answer Sheet

1. d
2. Personnel, Equipment, Materials, Segments
3. a, c, d
4. a - Level 4
b - Level 3
c - Level 3
d - Level 4
5. a - 3
b - 5
c - 1
d - 2
e - 4
6. b - FALSE
7. a - TRUE
8. a, d, e, g
9. a - 2
b - 3
c - 1
10. b - FALSE
11. a - TRUE
12. a - TRUE