**RP/ IPRC TUMBA**

**ACADEMIC YEAR: 2019-2020**

**Dept: RE**

**LEVEL 3**

**SEMESTER 2**

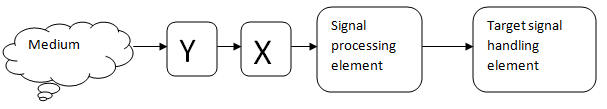
**MODULE TITLE: AUTOMATION AND CONTROL SYSTEM**

**MODULE CODE: REN302**

**Monday 18th May, 2020**

**QUIZ2 /**

1. The layer of industrial control and automation that performs machines control modes failure detection, redesign of control loops and gives graphical user interface is called----------------
2. Sensing and Actuation Elements
3. Industrial Control Systems
4. Supervisory Control
5. Production Control
6. Enterprise
7. No answer provided
8. The part of typical industrial sensor system that convert the physical process into electrical characteristics is called------------------------
9. Target signal handling element
10. Signal processing element
11. Sensing element
12. Signal conditioning element
13. In the following industrial sensor system block diagram, the symbol **X** represent…………………….



1. Signal filter
2. Signal amplifier
3. Signal conditioning element
4. Sensing element
5. No answer provided
6. The layer of Industrial control and automation system that is directly interfaced with the machine being controlled is called------------------
7. Sensing and Actuation Elements
8. Industrial Control Systems
9. Supervisory Control
10. Production Control
11. Enterprise control
12. No answer provided
13. In the industrial control and automation system, the layer that monitors the signal from sensors and does computation of control inputs based on the given sequence of instructions………..
14. Sensing and Actuation Elements
15. Industrial Control Systems
16. Supervisory Control
17. Production Control
18. Enterprise control
19. No answer provided
20. A system that convert the input signal computed by the control system into forms that can be applied to the actual process is called----------------
21. Sensing system
22. Actuation system
23. Control system
24. Supervisory control system
25. No answer provided
26. The part of industrial typical actuating system that converts the applied electrical signal into non-electrical form is called---------------------
27. Signal processing element
28. Power amplification element
29. Variable conversion element
30. Energy conversion element
31. A type of control that provides the inputs to the plant so that the output follows as closely possible in value over the time is called---------------
32. Sequence control
33. Continuous control
34. Logical control
35. No answer provided
36. The control system that operates by turning on and off switches, motors, valves is called
37. Sequence control
38. Continuous control
39. Analog control
40. Logical control
41. No answer provided
42. In the industrial control and automation system, the layers that could be tuned as industrial automation technology rather than industrial information technology are……….
43. Sensing and Actuation Elements
44. Industrial Control Systems
45. Supervisory Control
46. Production Control
47. Enterprise control
48. In the industrial control and automation system, the layers that could be tuned as industrial information technology rather than industrial automation technology are……….
49. Sensing and Actuation Elements
50. Industrial Control Systems
51. Supervisory Control
52. Production Control
53. Enterprise control

NB. If you need further clarifications please reach me to my email or Whatsap through: **jniyitegeka@iprctumba.rp.ac.rw /+250788973044**

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