

**RP/ IPRC TUMBA**

**ACADEMIC YEAR: 2019-2020**

**Dept: RE**

**LEVEL 3**

**SEMESTER 2**

**MODULE TITLE: AUTOMATION AND CONTROL SYSTEM**

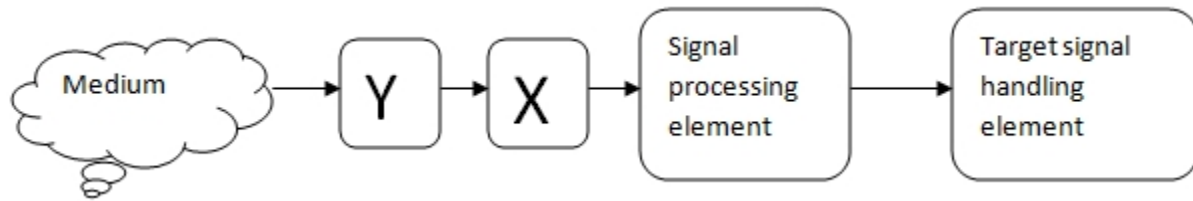
**MODULE CODE: REN302**

**Monday 18<sup>th</sup> 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-----
  - a) Sensing and Actuation Elements
  - b) Industrial Control Systems
  - c) Supervisory Control
  - d) Production Control
  - e) Enterprise
  - f) No answer provided
  
- 2) The part of typical industrial sensor system that convert the physical process into electrical characteristics is called-----
  - a) Target signal handling element
  - b) Signal processing element
  - c) Sensing element
  - d) Signal conditioning element

3) In the following industrial sensor system block diagram, the symbol **X** represent.....



- a) Signal filter
  - b) Signal amplifier
  - c) Signal conditioning element
  - d) Sensing element
  - e) No answer provided
- 4) The layer of Industrial control and automation system that is directly interfaced with the machine being controlled is called-----
- a) Sensing and Actuation Elements
  - b) Industrial Control Systems
  - c) Supervisory Control
  - d) Production Control
  - e) Enterprise control
  - f) No answer provided
- 5) 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.....
- a) Sensing and Actuation Elements
  - b) Industrial Control Systems
  - c) Supervisory Control
  - d) Production Control
  - e) Enterprise control
  - f) No answer provided
- 6) A system that convert the input signal computed by the control system into forms that can be

applied to the actual process is called-----

- a) Sensing system
- b) Actuation system
- c) Control system
- d) Supervisory control system
- e) No answer provided

7) The part of industrial typical actuating system that converts the applied electrical signal into non-electrical form is called-----

- a) Signal processing element
- b) Power amplification element
- c) Variable conversion element
- d) Energy conversion element

8) 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-----

- a) Sequence control
- b) Continuous control
- c) Logical control
- d) No answer provided

9) The control system that operates by turning on and off switches, motors, valves is called

- a) Sequence control
- b) Continuous control
- c) Analog control
- d) Logical control
- e) No answer provided

10) In the industrial control and automation system, the layers that could be tuned as industrial automation technology rather than industrial information technology are.....

- a) Sensing and Actuation Elements
- b) Industrial Control Systems

- c) Supervisory Control
- d) Production Control
- e) Enterprise control

11) In the industrial control and automation system, the layers that could be tuned as industrial information technology rather than industrial automation technology are.....

- a) Sensing and Actuation Elements
- b) Industrial Control Systems
- c) Supervisory Control
- d) Production Control
- e) Enterprise control

NB. If you need further clarifications please reach me to my email or Whatsap through:

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**Stay safe and protected by washing your hands every time, avoiding shaking your friends or any physical contact!!!!**