**RP/ IPRC TUMBA**

**ACADEMIC YEAR: 2019-2020**

**Dept: RE**

**LEVEL 3**

**SEMESTER 2**

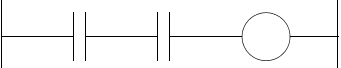
**MODULE TITLE: AUTOMATION AND CONTROL SYSTEM**

**MODULE CODE: REN302**

**Monday 5th Jul, 2020**

**QUIZ3/**

1. Which of the following statements is correct?
2. Actuators and transducers are both examples of sensors
3. Sensors and transducers are both examples of actuators
4. Sensors and actuators are both examples of transducers
5. Thermocouple generate output voltage according to……………………
6. Circuit parameters
7. Humidity
8. Temperature
9. Voltage
10. Sensor is a type of transducer
11. True
12. False
13. Change in output of sensor with change in input is……………….
14. Threshold
15. Sensitivity
16. Slew rate
17. None of the mentioned
18. The basic function of a control system is……………………..
19. To minimize the error between the actual response and desired output
20. To minimize the time response to load changes in the system
21. To make sure that the system output is controlled
22. To increase the quality of the system production
23. One of the above
24. The following is not a component of Hydraulic system:
25. Motor
26. filter
27. Pump
28. pressure regulator
29. Air receiver
30. Control valve.
31. Is the ladder logic in the figure below for an AND or an OR gate?



1. The term PLC stands for
2. Personal logic computer
3. Programmable local computer
4. Personal logic controller
5. Programmable logic computer
6. Programmable logical controller
7. The reason for including optocouplers on input/output units of PLC is to:
8. Provide a fuse mechanism which breaks the circuit if high voltages or currents occur.
9. Isolate the CPU from high voltages or currents.
10. HMI means ----------------------Machine Interface
11. Hard
12. Human
13. Heart
14. High

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

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