PLC Module (3)

1. The device that detects a physical condition and converts it to an electrical signal is: (1 point)
   - [ ] Actuator
   - [ ] Interface unit
   - [ ] Expansion Module
   - [ ] Sensor

2. According to the FBD given: (2 points)
   - [ ] The output goes OFF when the sensor I2 sends a signal 10 times
   - [ ] The output goes ON when the sensor I1 sends a signal 10 times
   - [ ] The output goes OFF when the sensor I1 sends a signal 10 times
   - [ ] The output goes ON when the sensor I2 sends a signal 10 times

3. The figure shows: (2 points)
   - [ ] Power supply
   - [ ] Expansion module
   - [ ] I/O Data Cable
   - [ ] Programming cable
4. According to the FBD given: (2 points)

- The output goes ON after pressing I1 for only 30 sec
- The output goes ON after pressing I2 for only 30 sec
- The output goes OFF after pressing I1 for only 30 sec
- The output goes OFF after pressing I2 for only 30 sec

5. The figure shows: (2 points)

- Programming cable
- I/O Data Cable
- Expansion module
- Power supply

6. In the figure shown number 2 refers to: (1 point)

- Fiber optic barrier
- Inductive sensor
- Conveyor Belt
- Proximity sensor
7. The device that converts electrical signals from PLC outputs into physical conditions is (1 point)
   - Interface unit
   - Sensor
   - Expansion Module
   - Actuator

8. Which of the following is (are) digital Input:
   (Click all correct answers) (5 points)
   - Pushbuttons
   - Toggle switches
   - Speed meter
   - level detector
   - coils
   - Pressure Sensor
   - Limit switches
   - Solenoids
   - Inductive Sensors
   - Potentiometer
   - Thermocouple
   - Proximity switches
   - Pressure meter

9. According to the FBD given: (2 points)
   - The output goes ON when I1 is pressed and goes OFF when I2 is pressed.
   - The output goes ON when both I1 and I2 are pressed.
   - The output goes ON when any of I1 or I2 are pressed.
   - The output goes OFF when I1 is released.
10. The device that used to decrease the speed and to increase the torque is: (1 point)
   - Conveyor Belt
   - Slide
   - Gear box
   - Branching arm

11. The device that contains an LED for every input and output to make troubleshooting easier is: (1 point)
   - Interface unit
   - Sensor
   - Expansion Module
   - Actuator

12. Which of the following is (are) Analog Input: (Click all correct answers) (4 points)
   - Potentiometer
   - Solenoids
   - level detector
   - Thermocouple
   - Pressure Sensor
   - Inductive Sensors
   - Limit switches
   - Toggle switches
   - coils
   - Pressure meter
   - Speed meter
   - Proximity switches
   - Pushbuttons

13. The device that provides additional inputs and outputs to the PLC is: (1 point)
   - Sensor
   - Actuator
   - Expansion Module
   - Interface unit
14. The figure shows: (2 points)
- I/O Data Cable
- Power supply
- Programming cable
- Expansion module

15. In the figure shown number 3 refers to: (1 point)
- Inductive sensor
- Conveyor Belt
- Proximity sensor
- Fiber optic barrier
16. In the figure shown number 1 refers to: (2 points)

- Fiber optic barrier
- Proximity sensor
- Inductive sensor
- Conveyor Belt

17. According to the FBD given: (2 points)

- The output stays OFF after pressing I1 for 30 sec and then it goes ON forever
- The output stays OFF until I1 is pressed 30 times
- The output goes ON after pressing I1 for only 30 sec
- The output stays ON until I1 is pressed 30 times

18. Which of the following is (are) digital Output:
(Click all correct answers) (2 points)

- Pushbuttons
- Toggle switches
- Solenoids
- Potentiometer
- Speed meter
- Pressure meter
- Proximity switches
19. Which of the following is (are) Analog Output: (Click all correct answers (2 points))
- Thermocouple
- Pushbuttons
- Proximity switches
- Toggle switches
- Potentiometer
- Inductive Sensors
- level detector
- Limit switches
- Pressure Sensor
- Pressure meter
- Solenoids
- Speed meter
- coils

20. The figure shows: (2 points)
- Expansion module
- Programming cable
- I/O Data Cable
- Power supply
PLC Module (3)

1. Sensor
2. The output goes OFF when the sensor I2 sends a signal 10 times
3. Power supply
4. The output goes ON after pressing I1 for only 30sec
5. I/O Data Cable
6. Inductive sensor
7. Actuator
8. Pushbuttons, Toggle switches, Limit switches, Inductive Sensors, Proximity switches
9. The output goes ON when I1 is pressed and goes OFF when I2 is pressed.
10. Gear box
11. Interface unit
12. Potentiometer, level detector, Thermocouple, Pressure Sensor
13. Expansion Module
14. Expansion module
15. Conveyor Belt
16. Fiber optic barrier
17. The output stays OFF after pressing I1 for 30 sec and then it goes ON forever
18. Solenoids, coils
19. Pressure meter, Speed meter
20. Programming cable