

1. LOGO!24 RC operates on: (1 point)

- ☐ 36 V DC
- ☐ 24 V DC
- ☐ 230 V AC
- ☐ 230 V DC

2. The total number of inputs for the LOGO! Basic is: (1 point)

- ☐ 24
- ☐ 16
- ☐ 4
- ☐ 8

3. One of the following is an input device: (1 point)

- ☐ Motor
- ☐ Sensor
- ☐ Valve
- ☐ Light

4. One of the following is NOT PLC manufacturer: (1 point)

- ☐ Microsoft
- ☐ ABB
- ☐ Mitsubishi
- ☐ Siemens

5. The figure shown is : (1 point)



- ☐ Normally open switch
- ☐ Normally open pushbutton
- ☐ Normally closed switch
- ☐ Normally closed pushbutton

6. The logic function which produces an opposite output to its input is: (1 point)

- ☐ XOR function

- ☐ OR function
- ☐ NOT function
- ☐ AND function

7. which of the following is considered to be Advantage for PLC over microcontroller: (1 point)

- ☐ PLC works in severe conditions
- ☐ PLC is smaller than microcontroller
- ☐ PLC is cheaper than microcontroller
- ☐ All of them

8. The function block that is used to start an action after a certain time is (1 point)

- ☐ ON Delay timer
- ☐ OFF Delay timer
- ☐ Counter
- ☐ RS Latch

9. A level transmitter that checks the level of liquid in the tank is: (1 point)

- ☐ Digital Output
- ☐ Digital Input
- ☐ Analog Input
- ☐ Analog Output

10. Solenoids, contactor coils and lamps are usually connected to: (1 point)

- ☐ Digital Inputs
- ☐ Digital Outputs
- ☐ Analog Inputs
- ☐ Analog Outputs

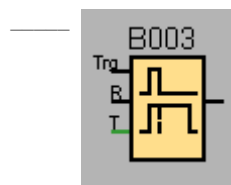
11. The part that monitors the inputs and makes decisions in PLC is: (1 point)

- ☐ PC interface
- ☐ CPU
- ☐ Expansion module
- ☐ Memory

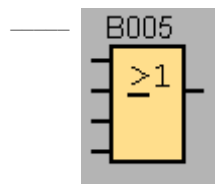
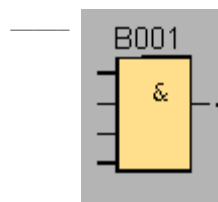
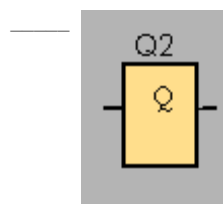
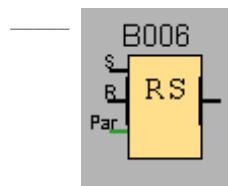
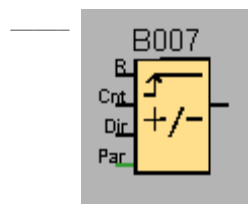
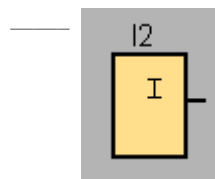
12. DM 8 expansion module provides : (1 point)

- ☐ 4 analog inputs and 4 analog outputs
- ☐ 8 digital inputs and 8 digital outputs
- ☐ 8 analog inputs and 8 analog outputs
- ☐ 4 digital inputs and 4 digital outputs

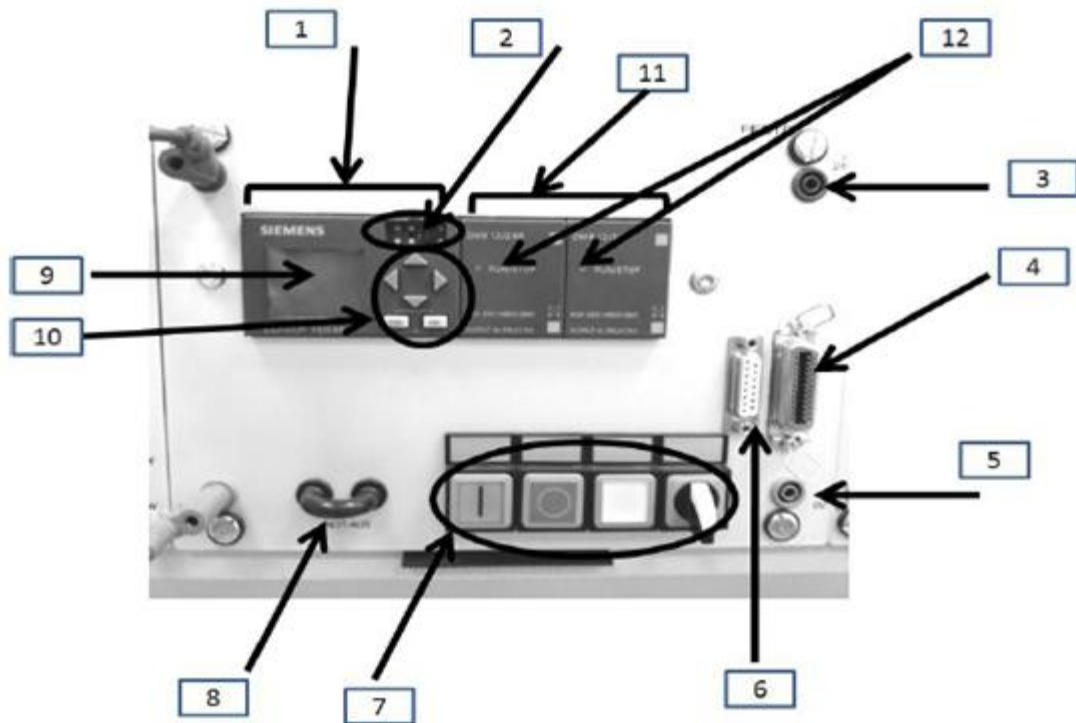
13. In PLC, "I" is used for input and "O" is used for output. (1 point)
- ☐ True
- ☐ False
14. A PLC consists of: inputs, CPU, and outputs. (1 point)
- ☐ True
- ☐ False
15. PLC stands for Programmable LOGO Controller. (1 point)
- ☐ True
- ☐ False
16. PC interface unit is used to connect PLC to computer. (1 point)
- ☐ True
- ☐ False
17. PLC stores information in the form of bits (ON/OFF). (1 point)
- ☐ True
- ☐ False
18. In the Edu Trainer all the pushbuttons are normally open. (1 point)
- ☐ True
- ☐ False
19. LOGO! ...R... version is equipped with relay outputs. (1 point)
- ☐ True
- ☐ False
20. Soft comfort is programming software for the LOGO! (1 point)
- ☐ True
- ☐ False
21. An input cannot be connected to several outputs. (1 point)
- ☐ True
- ☐ False
22. Fiber optic barrier is used to detect metal parts only. (1 point)
- ☐ True
- ☐ False
23. Actuator is an input device that senses a physical condition. (1 point)
- ☐ True
- ☐ False
24. Gear Box is used to decrease the speed and to increase the torque. (1 point)
- ☐ True
- ☐ False
25. Match the following: (1 point)



- a. Latching relay
- b. AND Block
- c. OFF delay
- d. OR Block
- e. Output Block
- f. Input Block
- g. Counter

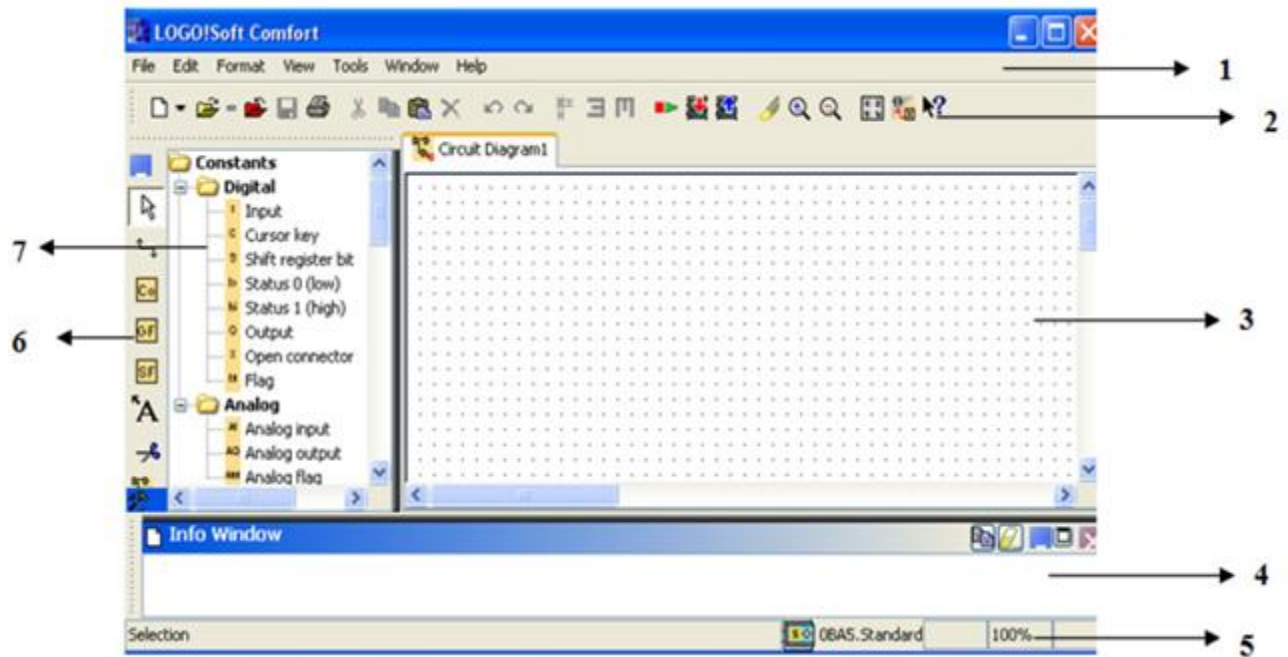


26. Match the following: (1 point)



- ___ 1. a. Submin D Socket
- ___ 2. b. Control elements
- ___ 3. c. Control Unit for LOGO!
- ___ 4. d. Two expansion modules
- ___ 5. e. SysLink Interface
- ___ 6. f. Emergency-stop bridge
- ___ 7. g. Status display LEDs
- ___ 8. h. 24VDC
- ___ 9. i. LOGO PLC
- ___ 10. j. PC Interface
- ___ 11. k. 0V safety socket
- ___ 12. l. Display unit

27. Match the following: (1 point)



- _____ 1. a. Status Bar
- _____ 2. b. Standard tool bar
- _____ 3. c. Constants, connectors, functions
- _____ 4. d. Toolbox
- _____ 5. e. Programming Interface
- _____ 6. f. Info box
- _____ 7. g. Menu bar

Quiz 3 PLC

1. 24 V DC
2. 8
3. Sensor
4. Microsoft
5. Normally open pushbutton
6. NOT function
7. PLC works in severe conditions
8. ON Delay timer
9. Analog Input
10. Digital Outputs
11. CPU
12. 4 digital inputs and 4 digital outputs
13. False
14. True
15. False
16. True
17. True
18. False
19. True
20. True
21. False
22. False

23. False

24. True

25. c, f, g, a, e, b, d

26. i, j, h, e, k, a, b, f, l, c, d, g

27. g, b, e, f, a, d, c