

#1. Which IoT communication protocol is commonly used for communication between IoT devices in industrial automation systems?

☐

MQTT

☐

Modbus

☐

OPC UA (Unified Architecture)

☐

CoAP

☐

DNP3 (Distributed Network Protocol 3)

#2. What is the main purpose of a strain gauge sensor in an IoT device?

☐

To measure mechanical stress or strain

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#3. Which of the following is an example of an IoT application in smart retail?

☐

Inventory management

☐

Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#4. What is the purpose of a Piezoelectric sensor in an IoT device?

☐

To convert mechanical energy into electrical energy

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#5. Which IoT communication protocol is commonly used for communication between constrained devices and constrained nodes in low-power networks?

☐

CoAP

☐

MQTT

☐

HTTP

☐

LoRa

☐

Zigbee

#6. In IoT, what is the purpose of a PIR (Passive Infrared) sensor?

☐

To detect motion

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#7. Which of the following is an example of an IoT application in smart building automation?

☐

Lighting control

☐

Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#8. What is the primary function of a gas sensor in an IoT device?

☐

To detect the presence and concentration of specific gases

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#9. Which IoT communication protocol is commonly used for communication between IoT devices and cloud platforms?

☐

MQTT

☐

Modbus

☐

CoAP

☐

HTTP

☐

Zigbee

#10. In IoT, what is the purpose of a humidity sensor?

☐

To measure the moisture content in the air

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#11. Which of the following is an example of an IoT application in smart energy management?

☐

Demand response

☐

Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#12. What is the main function of a gyroscope sensor in an IoT device?

☐

To measure angular velocity

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#13. Which IoT communication protocol is commonly used for communication between IoT devices in home automation systems?

☐

Zigbee

☐

LoRa

☐

MQTT

☐

Bluetooth

☐

LTE-M

#14. In IoT, what is the purpose of a CO2 sensor?

☐

To measure carbon dioxide levels

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#15. Which of the following is an example of an IoT application in industrial predictive maintenance?

☐

Condition monitoring

☐

Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#16. What is the primary function of a pressure sensor in an IoT device?

☐

To measure pressure

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#17. Which IoT communication protocol is commonly used for communication between IoT devices and smartphones?

☐

Bluetooth Low Energy (BLE)

☐

Zigbee

☐

LoRa

☐

NFC (Near Field Communication)

☐

Wi-Fi

#18. In IoT, what is the purpose of a tilt sensor?

☐

To detect changes in orientation

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

#19. Which of the following is an example of an IoT application in smart transportation?

☐

Traffic management

☐

Cooking

☐

Social networking

☐

Music production

☐

Interior decoration

#20. What is the main function of a magnetic sensor in an IoT device?

☐

To detect magnetic fields

☐

To process data

☐

To display information

☐

To store data

☐

To provide power

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Results





